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AGRICULTURAL LIBRARY NOTES



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Edited by Claribel R. Barnett,
Librarian, United States Department of Agriculture

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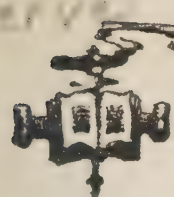
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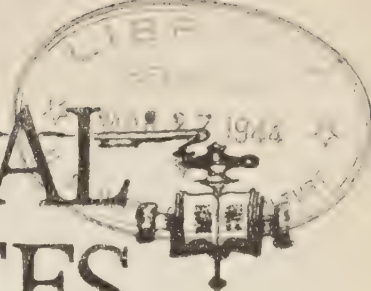
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A NEW SOIL SCIENCE SOCIETY

At a joint meeting of the Soils Section of the American Society of Agronomy and of the American Soil Survey Association in Washington, D. C., in late November, these organizations voted to merge and form the Soil Science Society of America. The object of the new society is to foster all phases of soil science. Sections have been organized in soil physics, soil chemistry, soil microbiology, soil fertility, soil morphology, classification and cartography and soil technology. A close affiliation with the American Society of Agronomy will be maintained. The papers presented at the annual meeting will be published in a volume of Proceedings. This volume will supersede the annual Bulletin of the American Soil Survey Association. (Science, n.s. v. 85, no. 2192, p. 13, Jan. 1, 1937)

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Remarks of H. A. Wallace at the opening session of the President's committee on farm tenancy, Washington, D. C., Dec. 16, 1936. 6 p. 1.9 Ag8636

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Marketing problems in the apple industry. Preliminary considerations. Economic analysis unit, Nov. 30, 1936. (Issued by General crops section.) Contents:-The Central situation, by C. I. Tod. 10 p. - The Eastern situation, by R.P.Callaway. 19 p. - The National situation by N.L. Gold. 35 p. - The Western situation, by N.L. Gold. 20 p. 1.94 Sp3Mp

Soil conservation and agricultural adjustment. Address of H.R.Tolley before annual convention of the American farm bureau federation at Pasadena, Calif., Dec. 10, 1936. 15 p. 1.94 Ad472T

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Ec752Ag1
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- Apples; yields, prices, returns per acre, and trend in plantings of important
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- Crop insurance. By R. M. Green. Division of agricultural finance. 1937.
4 p. Address, Institute of Rural economics, Rutgers university, New
Brunswick, N.J., Jan. 4, 1937. 1.9 Ec78Cr
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Relationships among watermelon prices, freight rates, production, and
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Utilization of combined harvester-threshers and cost of harvesting small
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Bureau of Biological Survey

Poisonous snakes of the United States. 1936. 19 p. (Wildlife Research
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Inheritance of "woolly" in rabbits. By A. W. Bellamy. 1936. 4 p.
(Wildlife Research and Management Leaflet BS-73.) (Issued by the Section
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Nail keg nest box. By George S. Templeton. 2 p. (Wildlife Research and
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Semi-annual naval stores report on production, distribution, consumption and stocks of turpentine and rosin of the United States, Apr. 1, 1936 - Sept. 30, 1936. Nov. 16, 1936. Compiled by F.P.Veitch and C.F.Speh. 10 p. 1.9 C4922Ans

Soil and the people, by C. E. Kellogg. 1936. 6 p. Presented at the 33d annual meeting of the Association of American geographers, Syracuse, N.Y. Dec. 31, 1936. 1.9 C433Sp

Commodity Exchange Administration

Objectives of federal regulation of the commodity exchanges. Remarks of J.M.Mehl, at annual meeting of American farm economic association, Chicago, Ill., Dec. 28-30, 1936. 8 p. 1.9 C73A

Past and present theory regarding future trading. By G.W.Hoffman. 1936. 14 p. Paper read at a session of the American farm economic association, Chicago, Ill., Dec. 28, 1936. 14 p. 1.9 C73P

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Regulatory problems relating to the manufacture of butter. By C. S. Trimble, 1936. 10 p. (BDIM-739) Remarks before the Association of dairy, food and drug officials of the United States, at Miami, Florida, Dec. 8, 1936. 1.9 D14Reg

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Vitamin A replaces whole milk in the calf ration. 1936. 3 p. (BDIM-731) Paper presented before the American dairy science association, June 1936. By H.T.Converse and E.B.Meigs. (Issued by Division of dairy research laboratories) 1.9 D142Vi

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Extension Service

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Fire control planning in the Northern Rocky mountain region. By L.C.Hornby. September, 1936. 179 p. Called Progress report no.1. (Issued by Northern Rocky mountain Forest experiment station, Missoula, Mont.) 1.9 F7628F

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Graduate School

The objectives of the soil conservation program. Address of H.R.Tolley, Administrator, A.A.A., before the Graduate school, Nov. 6, 1936. 15 p. 1.9 Ag81Edo

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Agricultural broadcasting. Cooperating: U.S. Department of agriculture, State agricultural extension services, State departments of agriculture. Dec. 1936. 4 p. 1.9 In3Ab

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- Summary of uniform winter-wheat bunt nursery, Great Plains area 1935-36. By H.A.Rodenhiser and H.S.Quisenberry. 1936. 2 p. (Issued by Division of cereal crops and diseases) 1.9 P6917Suw
- The value of foreign red clover in the United States. By E.A.Hollowell, Division of forage crops and diseases. 1936. 15 p. Article was prepared in November 1936 and presented at the meetings of the International crop improvement association, Chicago, Ill., Dec. 2, 1936, and the Western seedmen's association, Kansas City, Mo., Dec. 5, 1936. 1.9 P691Va

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GRAUPNER, H., and WEISSBERGER, A. Die verwendung von lösungen in dioxan als fixierungsmittel für gefrierschnitte. [The use of solutions in dioxan as fixatives for frozen sections] Zool. Anzeig. 102: 39-44. 1933.

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LAPORTE, M. Les particularités de la décharge électrique dans la gaz rares, au point de vue de leur application à l'éclairage. [The peculiarities of electrical discharge in rare gases from the viewpoint of their application to lighting] Rev. Gen. Sci. Pures et Appl. 41: 543-548. Oct. 15, 1930.

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Translated by S. T. Ballenger., Assistant Professor of Modern Languages.

*Under the direction of S. T. Ballenger, Assistant Professor of Modern Languages.

**Under the direction of Dr. L. E. Hinkle, Professor of Modern Languages.

MISCELLANY

News has been received of the sudden death on November 9, 1936, of Prof. Wm. Howard Powers, Librarian of the South Dakota State College, Brookings, since January 1905. In his death his colleagues in the agricultural library field have suffered a great loss. After long years of effort a new building for the library, the Lincoln Memorial Library, was obtained in 1927. Prof. Powers has pointed out that this building was the first in the state to be built out of funds arising from a tax on cigarettes. When the building was dedicated on September 10, 1927, the dedicatory address was given by President Calvin Coolidge. Professor Powers, who was the professor of literature as well as librarian, edited in 1931 "A History of South Dakota State College".

The Implement and Tractor for January 9, 1937, is a "John Deere Centennial Number".

An account of the Indian journal "Current Science" is given in Science for November 30, 1936, page 452.

The Wilson Bulletin for Librarians, for December 1936, contains an article by Dr. M. L. Raney on "Microphotography for Smaller Libraries".

The Library has received from the University of Western Australia a copy of the Report on a Visit to Europe and America, by the University Librarian, M. Evalyn Wood, which visit was made possible by a travelling grant from the Carnegie Corporation of New York. The Library of the Department was one of the four Washington libraries visited by Miss Wood.

The Institute of American Poultry Industries, Chicago, Illinois, has prepared and issued in multigraphed form, a transcript of the discussion at the Conference on Better Utilization of the Information of the Existing Information in Subjects Related to Eggs and Poultry, which was held at Blacksburg, Virginia, on Monday, August 10, 1936 under the auspices of its National Advisory Committee on Research. The report was edited by Mr. Paul Mandeville.

The American Peony Society Bulletin for September 1936, contains an article entitled "The New Peony Bulletin Index" by Mrs. Walter Campbell Lyman, Downers Grove, Illinois. Mrs. Lyman will be remembered by librarians as the former head of the Documents Division of the Chicago Public Library. Mrs. Lyman describes the index as follows:

An index for peony growers who want to know "how", "when", and "where".

An index for those who want a comprehensive source history of the flower and its culture.

An index to named varieties (including descriptions, experiences in growing, illustrations).

An index that will be a useful tool to the librarians of the larger libraries, not only those connected with the great universities which have experimental peony gardens, but the public libraries which reach a less specialized group of users.

An index which commercial growers will find helpful.

An index for the members of the society, who love to read the Bulletin but who cannot always remember "just when a certain article appeared."

"FRIENDS OF THE LIBRARY"

In many colleges and universities there have been organized groups calling themselves "Friends of the Library", each devoted to supplying in part at least the need of a particular library. Similar groups have been organized to work in behalf of many public libraries. Such groups have existed abroad for many years, notable among them being the "Friends of the Bodleian Library" at Oxford University which is believed to be the first of these groups. Other groups are the "Friends of the National Libraries" in London and the "Friends of the Bibliothèque Nationale" in Paris. Similar groups in this country have spread rapidly in recent years. A recent account of their work mentioned groups functioning in thirteen universities, eight colleges, eight public libraries, and various miscellaneous reference libraries. Among them are those at the Library of Congress, at Harvard, Yale, Chicago, Johns Hopkins, Pennsylvania, North Carolina, Princeton, New York, and Denver.

The object of these groups, although described in various ways and with varying emphasis, is practically the same, the underlying motive in all of them being service to the library. Methods of organization and means of functioning in the different groups vary. Probably four of the most important objects are (1) to maintain an association of persons interested in books, (2) to inform the public about the library, its resources, its service, and its possibilities, (3) to increase the resources of the library, including the acquisition of special collections beyond the reach of its budget, and (4) to discover the idle books and latent treasures in private libraries of the community which might be obtained by the library and thus preserved. Some of the groups have as many as four or five hundred members. Recently at the Northwestern University Library a luncheon was announced in honor of a special speaker. In introducing the speaker the librarian of the University said to those present, "You have been invited by the Friends of the Northwestern University Library. There is no such organization but we hope that there will be one." So here in the Department of Agriculture we hope that there will be one, at least in spirit.

It is certain that the Library is in need of help and that there are ways in which this can be given other than through its direct appropriations from Congress. It is probably not necessary that any actual organization of "Friends of the Library" of the Department be formed. What would, however, be desirable would be for more officials of the Department and more users of the Library to feel a definite responsibility for helping the Library. By becoming more library conscious and voluntarily constituting themselves Friends of the Library they could in the aggregate do much. It is fully realized, however, that the emphasis in the Department must necessarily be quite different from that of groups connected with other institutions, simply because of the conditions which exist in the Government service.

One of the most important ways in which additional help might be given the Library would be along bibliographical lines. An instance of such help is that which has been given the Library by the late Dr. F. V. Coville in connection with the botanical collections and the botanical catalogue. As his important contributions to the Library are to be described in detail in the next issue of Agricultural Library Notes, they will not be enlarged upon here. What he has done for the Library in the field of botanical literature has later been done in other fields in which the Department is especially interested but his was the first office of the Department to supplement the appropriations of the Library and the support came at an important time in the Library's history.

"FRIENDS OF THE LIBRARY"
(continued)

In the indexing of entomological literature, the Bureau of Entomology and Plant Quarantine has made large contributions to the bibliographical equipment of the Library through the support of the printed Index to American Economic Entomology and the maintenance of current bibliographical lists. In the field of medical zoology, the Bureau of Animal Industry is carrying on the printed Index Catalogue of Medical and Veterinary Zoology and is also maintaining an extensive card catalogue of veterinary periodical literature. Both of these undertakings, however, need additional support to bring the work more nearly up to date.

In the field of agricultural economics, the bibliographical services of the Library have been greatly extended through the support of the Bureau of Agricultural Economics. Dr. H. C. Taylor, the first Chief of the Bureau, was an understanding friend of the Library and recognized the great need for a bibliographical service in connection with the Bureau's work. He gave to the library of the Bureau adequate support in the work and as a result a series of agricultural economics bibliographies and a series of current bibliographical bulletins were initiated which have been of great service. Later Chiefs of the Bureau have continued the support. All of the bibliographies have been prepared to meet special needs and have been compiled in close cooperation with the officials directly connected with the work which the bibliographies were planned to serve.

Current bibliographical services are also being maintained by the Bureau of Plant Industry, the Forest Service, the Bureau of Public Roads, the Bureau of Agricultural Engineering, and the Office of Experiment Stations. These current lists and the special bibliographies, indexes and catalogues which have previously been mentioned are all large projects quite impossible for the Library to have carried on with its very limited appropriations. It may be said, therefore, that the Library as a whole has in fact had the help in the past of many Friends of the Library, and it is receiving much help today, through the support given the bibliographical work of the branch libraries in the bureaus.

Important as is the support given the bibliographical work of the bureau libraries and as much as it is appreciated, it must be pointed out that it is equally important for the main Library to have adequate support. Unless the work for which it is primarily responsible, namely, the acquisition work, the binding, the cataloguing and the general bibliographical work, can be kept up to date all of the bibliographical and reference work of the bureaus suffers. In the past few years the support which the Library has received through its annual appropriations for books and salaries has not kept pace with the growth of the Department and the increased demands on the Library. It needs more help for general bibliographical and reference work and for the ordinary routine work. The binding work is much in arrears as is also the cataloguing. No additional increase for this work is in sight even for the next fiscal year. It is therefore particularly gratifying that in this emergency the Bureau of Public Roads has found a practical way of helping the Library by carrying temporarily the salary of a cataloguer to bring more nearly up to date the cataloguing of the publications in which the Bureau is particularly concerned. More help of this kind is needed. The Forest Service is also helping in the cataloguing work by lending the services of one of its translators to aid in the preliminary work of cataloguing books and pamphlets in difficult and little known languages.

"FRIENDS OF THE LIBRARY"

(continued)

There are other ways in which the Library can be aided without a definite expenditure of funds. In the building up of its collections it is helpful to have its attention called to important books which it does not have. Friends of the Library can also help by sending to the Library copies of books and reprints of articles written by them on subjects of interest to the Department, by sending all mimeographed publications which they issue, by seeing that the Library is placed on the mailing list of new scientific organizations concerned with the work of the Department, by sending advanced notices and programs of meetings concerned with the work of the Department for display on the bulletin board of the Library, and by turning over to the Library books, pamphlets and reprints not of interest to them but which pertain to other work of the Department. Much of this material is not in the regular book trade and is therefore often difficult for the Library to obtain. Sometimes it may be possible to help by calling to the attention of the Library collections of books which might be of interest for the Library to obtain. Some may know of attics in old farm houses which might contain collections of old agricultural books and periodicals, and old horticultural trade catalogues. There are in almost every community valuable and useful collections of books and manuscripts of which some disposal must be made after the owner's death or if he wills, during his life time. Some of these may have material of interest to the Department. A service can be rendered in acquainting collectors and other book owners with the opportunity for permanent usefulness to scholars in making the Library a depository of such materials.

Finally, it may not be amiss to point out that the service of the Library to the Department can be helped if it is kept informed in regard to the new developments in the Department's work in order that it may collect and have available the literature which will be needed. One way of accomplishing this is by having a library representative on committees in which the use of library material plays a part in the work of the committees.

Claribel R. Barnett, Librarian.

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OBERLY MEMORIAL PRIZE

The Oberly Memorial Prize, in memory of the late Eunice Rockwood Oberly, will be awarded this year for the best bibliography submitted in the field of agriculture and the related sciences. The Prize amounts to \$100 this year.

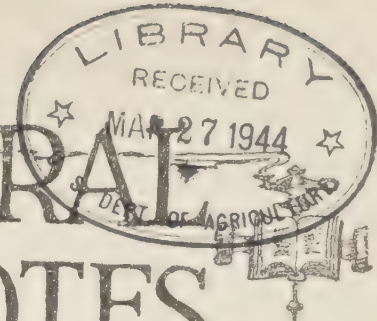
Four copies of each bibliography entered for this prize should be in the hands of the Chairman of the Oberly Memorial Fund Committee before March 31, 1937. They should be addressed to Gilbert H. Doane, Director of University Libraries, University of Wisconsin, Madison, Wisconsin, plainly marked "For Oberly Prize Competition".

Three copies of each bibliography submitted will be returned to the compiler, and one copy will be deposited in the Library of the U. S. Department of Agriculture, Washington, D. C.

Gilbert H. Doane, Chairman,
Oberly Memorial Fund Committee,
American Library Association.

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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
D. C.

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Accounting

MOORE, F. F., and GILL, J. G., eds. Municipal accounting and auditing. Trenton, N.J., Rider college, 1934. 325.M782

Agriculture, Agricultural experimentation

INSTITUTO FITOTÉCNICO Y SEMILLERO NACIONAL "LA ESTANZUELA". Crítica y obra; la actuación de "La Estanzuela" en época reciente. Montevideo, 1935. 102.5 Ur8C

MEIJERS, P. G. Vruchtopvolging. 's-Gravenhage, Departement van landbouw en visscherij, Directie van den landbouw, Rijkslandbouwproefstation voor den akker- en weidebouw te Groningen, 1936. 33.15 G89

RUSSELL, Sir E. J., and VOELCKER, J. A. Fifty years of field experiments at the Woburn experimental station. London, Longmans, Green, 1936. (Rothamsted monographs on agricultural science) 103 W81F

Botany

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BOTANY of the Maya area; miscellaneous papers, 1-13. Washington, 1936. (Carnegie institution of Washington. Publication no.461) 456.1 B65

BRITISH GOLF UNIONS. BOARD OF GREENKEEPING RESEARCH. ST. IVES RESEARCH STATION. Fusarium patch disease of turf caused by Fusarium nivale. Bingley, Yorkshire, 1936. 464.02 B77

CARTWRIGHT, K. St.G., and FINDLAY, W.P.K. The principal rots of English oak. London, Dept. of scientific and industrial research, Forest products research, 1936. 464.07 C24

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PAPE, H. Die praxis der bekämpfung von krankheiten und schädlingen der zierpflanzen. Ed. 2. Berlin, Parey, 1936. 464.08 P19 Ed.2.

TRABUT, L. Flore du nord de l'Afrique. Alger, Imprimeries "La typo-litho" et J. Carbonel réunies, 1935. (Collection du centenaire de l'Algerie. sec. 2. Études scientifiques) 460.41 T67

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386 B39Ha
- GRIFFITH, R. H. The mechanism of contact catalysis. Oxford, Oxford university press, 1936. 386 G873
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386 L952Op
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Color

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Conservation

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- SOCIETY FOR THE PRESERVATION OF THE LANDSCAPE FEATURES OF ESSEX COUNTY, Mass. A handbook of conservation. Concord, N.H., Rumford, 1936. 279 Sol

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- FAY, C. R. Co-operation at home and abroad. Ed. 4. London, King, 1936.
280.2 F29 Ed.4
- SINCLAIR, U. B. Co-op; a novel of living together. New York, Farrar & Rinehart, 1936. 280.2 Si6
- WEBB, B. P. The co-operative movement in Great Britain. London, Allen & Unwin, 1891. Tenth impression new preface, 1930. 280.2 W383C

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- BAUM, H., and ZIEZSCHMANN, O. Handbuch der anatomie des hundes. Ed. 2. v.l. Berlin, Parey, 1936. 444 B322H
- EWING, P. V. ed. The golden hoof. Chicago, Sheep breeder, 1936. 45 Ew5
- GHIGI, A. La gallina livornese e le sue principali sottomazze. Milano, Istituto Bertieri, 1935. 47 G34
- HORRIGER, L. J., and HAMMONDS, C. Sheep. Lexington, Ky., Commercial printing company, 1936. 45 H78S

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GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The land drainage act, 1930.
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Economics

- ADAMS, A. B. Analyses of business cycles. New York, McGraw-Hill, 1936.
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(Report of the Commission on the social studies. American historical association. pt.16) 280 Am362
- BECKER, H. We who are young. Chicago, Arkin, 1936. 280.12 B384
- ENGINEERS' STUDY GROUP ON ECONOMICS. Interim report on the design of a family budget. Ed. 2. London, 1936. 284.4 En3 Ed.2
- GT. BRIT. BOARD OF TRADE. COMMITTEE ON FIXED TRUSTS. Fixed trusts. London, 1936. (Parliament. Papers by command. Cmd.5259) 286 G791
- HANNA, P. R. Youth serves the community. New York, Appleton-Century, 1936.
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- INSTITUTE OF ECONOMICS, Washington. The recovery problem in the United States. Washington, 1936. (Institute of economics of the Brookings institution. Publication no.72) 280.12 In72
- LÖWE, A. Economics and sociology. London, Allen & Unwin, 1935. 280 L95
- NATIONAL INDUSTRIAL CONFERENCE BOARD. International transactions of the United States, by R.O. Hall. New York, 1936. 286 N216It
- UNION SOCIAL ECONOMICA DE CUBA. Commercial relations between Cuba and the United States of America. New York, Fulton stationery corporation, 1936.
286 Un3994C
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- BAHIA, BRAZIL. INSTITUTO DE CACÁO. Restabelecendo a verdade sobre o cacau brasileiro. Bahia, Graphica, 1936. 281.368 B14
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- DEAR, D. Rice and rice planting in the South Carolina low country. Charleston, S.C., 1936. (Contributions from the Charleston museum. 8) 59.24 D65
- MOZAMBIQUE. DIRECÇÃO DOS SERVIÇOS DE AGRICULTURA. Algodão. Lourenço Marques, 1934. '72 M872A
- PETERSEN, A. Die gräser als kulturpflanzen und unkräuter auf wiese, weide und acker. Berlin, Kühn, 1936. 60.1 P44

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- ASPINWALL, R. S. The liberation of capitalism. Detroit, Lincoln mfg. co., 1936. 284 As6 Rev.
- BURGESS, W. R. The reserve banks and the money market. Rev. ed. New York, Harper, 1936. 284 B91 1936

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- FITCH, E. M. The tariff on lumber. Madison, Wis., 1936. (Tariff research committee. Agricultural tariffs. no.6) 99.72 F55
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- JOHNSON, T. C., jr. Scientific interests in the old South. New York, 1936. (University of Virginia. Institute for research in the social sciences. Institute monograph no.23) 280.9 V81 no.23
- TARBELL, I. M. The nationalizing of business, 1878-1898. New York, Macmillan, 1936. (A history of American life. v.9) 277.12 T17
- WILSON, H. F. The hill country of northern New England; its social and economic history, 1790-1930. New York, 1936. (Columbia university studies in the history of American agriculture. 3) 277.004 W69

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283 G7986

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PORTER, J. W. Land transfers in Cass county, North Dakota, 1875-1935. [Fargo? N.D.] Experiment station, N.D.A.C., Dept. of agricultural economics, 1936. Mimeographed. 282 P83

SOUTHERN TENANT FARMERS' UNION. A statement concerning farm tenancy submitted to the Governor's commission on farm tenancy. Memphis, 1936. Mimeographed. 282 Ss82

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THE PROGRESSIVE FARMER

In February of 1936 The Progressive Farmer observed its Golden Anniversary, marking 50 years of service to the South. This publication started as a small sheet back in North Carolina in 1886, under the editorship of Col. Leonidas L. Polk. The following facts regarding its history since that date are taken from the American Cotton Grower for November 1936, vol. II, no. 6:

"The Progressive Farmer was edited and published by Col. L. L. Polk until his death in 1892, and edited by J. L. Ramsey until July 4, 1899, when Clarence Poe, a young man 18 years of age, became its Editor and he has remained its Editor ever since.

"In December 1903, Dr. Clarence Poe, Dr. B. W. Kilgore, Director of the North Carolina Experiment Station; Dr. Charles W. Burkett, Professor of Agriculture, North Carolina State College of Agriculture; T. B. Parker, Secretary of the State Farmers' Alliance, and J. W. Bailey (now U. S. Senator), all of Raleigh, North Carolina, bought The Progressive Farmer. Hence this date may be marked as the second milestone in its development and the starting point in its rise in circulation and influence. At this time the circulation of The Progressive Farmer was about 5,000, most of which was in North Carolina.

"In 1907, The Progressive Farmer bought the Southern Farm Gazette of Starkville, Mississippi, and continued its publication under that name until January 1, 1910.

"During the latter part of 1908 John S. Pearson, who had had previous experience in publication business management, and Dr. Tait Butler, who was then Director of Farmers' Institutes and State Veterinarian of North Carolina, purchased the interests of Messrs. Bailey, Burkett and Parker, and on January 1 Dr. Butler returned to Mississippi where he had previously served on the faculty of the State Agricultural College, and as Editor of the Southern Farm Gazette, which he had founded in September 1895.

"On January 1, 1910, as previously indicated, the two papers, The Progressive Farmer and the Southern Farm Gazette, were merged under one name, The Progressive Farmer, but published as the Eastern and Western editions of that publication. During the year 1908 the circulation of The Progressive Farmer was about 22,000, and that of the Southern Farm Gazette was about 16,000.

"On January 1, 1910, therefore, The Progressive Farmer inaugurated its policy of publishing separate editions for the different parts of the South in order to more intimately contact and to better serve the special agricultural interests of the different sections of the South.

"Since 1910 three other editions have been added and now the entire South is covered by special or separate editions of this farm life magazine.

"From 5,000 in 1903, and 32,000 in 1908, this farm publication has grown to 932,946 in 1936, and in the process has taken over by purchase the following publications: The Cotton Plant, Greenville, S. C., 1904; Southern Farm Gazette, Greenville, Miss., 1907; Southern Farmer, Athens, Ga., 1908; Modern Farmer, New Orleans, La., 1909; Farmer's Union Guide, Birmingham, Ala., 1911; Southern Farm Advocate, Memphis, Tenn., 1911; Carolina Union Farmer, Raleigh, N.C., 1913; The Country Review, Baton Rouge, La., 1913; Texas Farmer, Dallas, Texas, 1913; Carolina Farmer, Raleigh, N.C., 1915; Southern Farming, Atlanta, Ga., 1921; Southern Ruralist, Atlanta, Ga., 1930."

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Durham, 1936.
ELLIS, E. E. Vegetables on parade. (N. H. Univ. [Agr.] Ext. Circ. 192.)
Durham, 1936.

New Jersey

The business outlook for 1937. (N. J. Agr. Col. Ext. Econ. Rev. nos. 104-105.)
New Brunswick, 1936.
Mimeographed.

New York

CARNEY, M. Spot and stain removal. (N. Y. Agr. Col. (Cornell) Ext. Bul. 356.) Ithaca, 1936.
SMITH, E. Y., and WEAVER, L. E. Turkeys. (N. Y. Agr. Col. (Cornell) Ext. Bul. 359.) Ithaca, 1936.
References p. 51-52.

North Carolina

McIVER, J. Color for the individual. (N. C. Agr. Col. Ext. Club Ser. 7.)
State College Station, Raleigh, 1936.
GRAEBER, R. W., and PAGE, R. H., jr. Forestry manual and record book for
4-H club members. (N. C. Agr. Col. Ext. Club Ser. 8.) State College
Station, Raleigh, 1936.
THOMAS, M. E., and BROOKS, S. Salads. (N. C. Agr. Col. Ext. Circ. 211.)
State College Station, Raleigh, 1936.
FLOYD, E. Y. Factors affecting the quality of flue-cured tobacco. (N. C.
Agr. Col. Ext. Circ. 212.) State College Station, Raleigh, 1936.
HUDSON, C. E. Good gardening with plans for garden contests. (N. C. Agr.
Col. Ext. Folder 28, rev.) State College Station, Raleigh, 1936.
List available publications. (N. C. Agr. Col. Ext. Folder 35.)
State College Station, Raleigh, 1936.
WEAVER, D. S., and PARRISH, C. F. A homemade brick brooder. (N. C. Agr.
Col. Ext. Folder 36.) State College Station, Raleigh, 1936.
HUNTER, W. N. Care of the clothing. (N. C. Agr. Col. Ext. Misc. Pamph. 26.)
State College Station, Raleigh, 1936.
HUNTER, W. N. Repair of clothing. (N. C. Agr. Col. Ext. Misc. Pamph. 27.)
State College Station, Raleigh, 1936.
HUNTER, W. N. Commercial patterns. (N. C. Agr. Col. Ext. Misc. Pamph. 28.)
State College Station, Raleigh, 1936.
HUNTER, W. N. Cutting and fitting. (N. C. Agr. Col. Ext. Misc. Pamph. 29.)
State College Station, Raleigh, 1936.
HUNTER, W. N. Remodeling. (N. C. Agr. Col. Ext. Misc. Pamph. 30.)
State College Station, Raleigh, 1936.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1937

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- HUNTER, W. N. Outline for textile lesson. (N. C. Agr. Col. Ext. Misc. Pamph. 33.) State College Station, Raleigh, 1936.
- HUNTER, W. N. Feet and shoes. (N. C. Agr. Col. Ext. Misc. Pamph. 34.) State College Station, Raleigh, 1936.
- HUNTER, W. N. Grooming. (N. C. Agr. Col. Ext. Misc. Pamph. 35.) State College Station, Raleigh, 1936.
- HUNTER, W. N. Hosiery. (N. C. Agr. Col. Ext. Misc. Pamph. 36.) State College Station, Raleigh, 1936.
- HUNTER, W. N. Children's clothing. (N. C. Agr. Col. Ext. Misc. Pamph. 37.) State College Station, Raleigh, 1936.
- HUNTER, W. N. Buying ready made garments. (N. C. Agr. Col. Ext. Misc. Pamph. 38.) State College Station, Raleigh, 1936.
- MCKILLAMON, J. S., and MORRIS, C. C. Simplified methods for home and community canning. (N. C. Agr. Col. Ext. Misc. Pamph. 39.) State College Station, Raleigh, 1936.

North Dakota

- GRISWOLD, D. J. Sheep and their care. (N. Dak. Agr. Col. Ext. Circ. 68, rev.) State College Station, Fargo, 1936.
References, p.98.
- North Dakota farm and home outlook for 1937. (N. Dak. Agr. Col. Ext. Circ. 146.) State College Station, Fargo, 1936.
- TROWBRIDGE, P. F. Buy right, feed right, sell right for profits in cattle feeding. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumbered]) State College Station, Fargo, 1936.

Ohio

- WUICHT, J. W., and KUNKLE, L. E. Pork: Home killing, cutting, curing. (Ohio Agr. Col. Ext. Bul. 167.) Columbus, 1936.

Oklahoma

- MCPHETERS, W. E. How to build a septic tank. (Okla. Agr. Col. Ext. Circ. 339.) Stillwater, 1936.
- MCPHETERS, W. E. How to make and use the McPheters terracer. (Okla. Agr. Col. Ext. Circ. 340.) Stillwater, 1937.
- JACOB, A. W. Cream grading increases profits. (Okla. Agr. Col. Ext. Circ. 342.) Stillwater, 1937.

LIST OF STATION PUBLICATIONS RECEIVED DURING JANUARY 1937
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Oregon

BALLARD, P. L. Serving the farm and home interests of Oregon, 1934-1936.
[Biennial report of the Agricultural Extension Service, Oregon Agricultural
College, July 1, 1934 to June 30, 1935.] (Oreg. Agr. Col. Ext. Bul. 493.)
Corvallis, 1936.

South Carolina

HAMILTON, R. W. Soybeans. (Clemson Agr. Col., S. C., Ext. Bul. 76, rev.)
Clemson, 1936.
Orchard terracing. (Clemson Agr. Col., S. C., Ext. Bul. 97.) Clemson, 1936.
GOODING, F. H. Feeding laying hens. (Clemson Agr. Col., S. C., Ext. Circ.
131, rev.) Clemson, 1936.
The farm outlook for South Carolina, 1937. (Clemson Agr. Col., S. C., Ext.
Circ. 154.) Clemson, 1937.
CARSON, E. The major 4-H poultry club project, first year. (Winthrop Col.
S. C., Ext. Bul. 27, rev.) Rock Hill, 1936.
WALKER, D. D., and KETCHEN, J. Canning, drying and brining. (Winthrop
Col., S. C., Ext. Bul. 32.) Rock Hill, 1936.
LAYTON, H. B., and SEABROOK, P. 4-H home improvement project: A comforta-
ble, cheerful living room. (Winthrop Col., S. C., Ext. Bul. 34.)
Rock Hill, 1936.
JOHNSON, H. F., and SEABROOK, P. The club girl's bedroom. (Winthrop Col.,
S. C., Ext. Bul. 35.) Rock Hill, 1936.
SEABROOK, P. Kitchen cabinets and china cupboards. (Winthrop Col., S. C.,
Ext. Circ. 1.) Rock Hill, 1936.
SEABROOK, P. Cleaning closets, bathroom closets and cabinets. (Winthrop
Col., S. C., Ext. Circ. 2.) Rock Hill, 1936.
SEABROOK, P. Bedding and linen closet. (Winthrop Col., S. C., Ext. Circ.
3.) Rock Hill, 1936.
SEABROOK, P. The business center. (Winthrop Col., S. C., Ext. Circ. 4.)
Rock Hill, 1936.
GILLIAM, M. S. Storage spaces for the farm home: Storage spaces for cloth-
ing. (Winthrop Col., S. C., Ext. Circ. 5.) Rock Hill, 1936.
LAYTON, H. B., and REAGAN, M. Storage spaces for the farm home: Demonstra-
tion 6. Food supplies. (Winthrop Col., S. C., Ext. Circ. 6.) Rock Hill,
1936.
LAYTON, H. B. Good manners for a club girl. (Winthrop Col., S. C., Ext.
Circ. 7.) Rock Hill, 1936.
LAYTON, H. B., and SEABROOK, P. Myself as a family member. (Winthrop Col.,
S. C., Ext. Circ. 8.) Rock Hill, 1936.
LAYTON, H. B. Ironing made easier. (Winthrop Col., S. C., Ext. Circ. 9.)
Rock Hill, 1936.
LAYTON, H. B., and SEABROOK, P. Fix it. (Winthrop Col., S. C., Ext. Circ.
10.) Rock Hill, 1936.
LAYTON, H. B., and SEABROOK, P. Better bedmaking. (Winthrop Col., S. C.,
Ext. Circ. 11.) Rock Hill, 1936.

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(continued)

- SEABROOK, P., and REAGAN, M. Daily dishwashing. (Winthrop Col., S. C., Ext. Circ. 12.) Rock Hill, 1936.
- REAGAN, M. Food, nutrition and health, unit I. Demonstration 1 and 2: What food does the school girl need? (Winthrop Col., S. C., Ext. Circ. 13.) Rock Hill, 1936.
- REAGAN, M. Food, nutrition, and health, unit I. Demonstrations 3 and 8: Health. (Winthrop Col., S. C., Ext. Circ. 14.) Rock Hill, 1936.
- REAGAN, M. Food, nutrition, and health, unit I. Demonstration 4: Breakfast planning. (Winthrop Col., S. C. Ext. Circ. 15.) Rock Hill, 1936.
- REAGAN, M. Food, nutrition and health, unit I. Demonstration 5: Cereals. (Winthrop Col., S. C., Ext. Circ. 16.) Rock Hill, 1936.
- REAGAN, M. Food, nutrition and health, unit I. Demonstration 6: Eggs; Serving breakfast. (Winthrop Col., S. C., Ext. Circ. 17.) Rock Hill, 1936.
- GILLIAM, M. S. Garment finishes for silk, woolen, and wash materials. (Winthrop Col., S. C., Ext. Circ. 19.) Rock Hill, 1936.

South Dakota

- South Dakota agricultural outlook for 1937. (S. Dak. State Col. Ext. Circ. Letter 139.) Brookings, 1937.

Utah

- MILLER, E. Home drying of vegetables and fruits. (Utah Agr. Col. Ext. Circ. 87, New Ser.) Logan, 1936.

Vermont

- TURNER, G. W. C. Growing timber on the Vermont farm. (Vt. Agr. Col. Ext. Circ. 90.) Burlington, 1936.

Virginia

- Boys' and girls' 4-H club series: Livestock judging. (Va. Agr. Col. Ext. Bul. 83, rev.) Blacksburg, 1936.

West Virginia

- HUMPHREYS, G. Our organizations. (W. Va. Agr. Col. Ext. Good Living Ser. 5, Lesson, no. 1, Adventures in Broader Living.) Morgantown, [1937]
- HUMPHREYS, G. How business-like are we? (W. Va. Agr. Col. Ext. Good Living Ser. 5, Lesson no. 2, Adventures in Broader Living.) Morgantown, [1937]

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Wisconsin

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- HOLMES, L. G. Planning and planting the home grounds. (Wis. Agr. Col. Ext. Circ. 353, rev.) Madison, 1936.
- TRENK, F. B. The farm windbreak, its planning and planting. (Wis. Agr. Col. Ext. Circ. 267, rev.) Madison, 1936.
- AUST, F. A. Making cheese factory grounds attractive. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered]) Madison, 1936.
- Produce pullets that live. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered]) Madison, 1936.

Wyoming

- BOWMAN, A. E. Twenty-third annual report, Agricultural Extension Service, Wyoming Agricultural College, 1935. (Wyo. Agr. Col. Ext. Bul. 9.) Laramie, 1936.
- OLLER, G. H. Kitchen outfit, first year clothing. (Wyo. Agr. Col. Ext. Circ. 16, rev.) Laramie, 1936.
- LEE, A. M., and Scrivner, L. H. (Wyo. Agr. Col. Ext. Circ. 32, rev.) Laramie, 1936.
- GWYNN, E. Pointers on 4-H club demonstrations. (Wyo. Agr. Col. Ext. Circ. 62.) Laramie, 1936.
- WILLIS, A. W. The Wyoming agricultural situation for 1937; COLLOPY, M., and others. Outlook for farm family living. Wyo. Agr. Col. Ext. [1936] Laramie. Mimeographed.

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The Colorado State College Library has started a new mimeographed publication called The Scout. Vol. 1, supplement no. 1, contains a list of Masters' Theses, 1936, prepared at the College. The following are in the field of agriculture and home economics: Jans, Fred C. On factors commonly associated with county extension agent expenses in Colorado; Swain, Ralph Brownlee. The biological control of the fall webworm in Colorado; Duffey, Thomas Laney. Why one hundred farmers of Grady County, Oklahoma, quit farming. Brown, Harriette L. Study of the home practice facilities of Latin-American girls enrolled in the home economics classes of the Brownsville, Texas, high school.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during January, 1937, exclusive of Bibliographies*
and current issues of serials.**

Office of the Secretary

Agricultural conservation - an aspect of land utilization. An address by M. L. Wilson before the American farm economic association, Dec. 28, 1936, Chicago, Ill. 14 p. (Press release 1029-37) 1.9 Ag8639

The ever-normal granary above and below the ground. Address by Henry A. Wallace over the National farm and home hour, Jan. 26, 1937. 4 p. (Press release 1072-37) 1.9 Ag8636

Farm tenancy. Address of H.A. Wallace over Columbia broadcasting system, Jan. 22, 1937. 7 p. (Press release 1044-37) 1.9 Ag8636

Making the ideal practical. Address by H. A. Wallace before the annual meeting of the Illinois agricultural association, Chicago, Ill., January 28, 1937. 13 p. (Press release 1073-37) 1.9 Ag8636

Rural poverty. Remarks by H. A. Wallace at 3d general assembly of the Council of state governments, Washington, D.C., January 23, 1937. 16 p. (Press release 1060-37) 1.9 Ag8636

Rural resettlement administration of the Dept. of agriculture. Radio talk by H. A. Wallace, over Farm & home hour, January 12, 1937. 7 p. (Press release 1007-37) 1.9 Ag8636

Agricultural Adjustment Administration

Commodity surplus diversion operations; operating procedure and problems under Section 32. 1936. 23 p. (Press release 961-37) A paper prepared by J. W. Tapp, Div. of marketing and marketing agreements, A.A.A. and F. R. Wilcox, formerly Associate Director AAA, Div. of marketing and marketing agreements, and now extension specialist in marketing, the Giannini Foundation; and delivered before the American farm economic association, Chicago, Dec. 30, 1936. 1.94 Ad47Com

Economic implications of the agricultural conservation program of the Agricultural adjustment administration. By F. F. Elliott. Dec. 28, 1936. 23 p. (Press release 968-37) Address before the American farm economic association, Chicago, Dec. 28, 1936. 1.94 Ad472E

Indiana state milk control act. Paper no. 1. Series on state milk control acts. Dec. 24, 1936. Issued by Dairy section. 1.94 D14Ps

Is farm chemurgy a panacea? 1936. 11 p. (Press release 983-37) Revised and edited discussion by A. D. Stedman at the "Plant to Prosper" meeting of farmers at Memphis, Tenn., Dec. 16, 1936, commenting upon an address there by C. S. Fritsche, managing director of the Farm chemurgic council. 1.94 Ad4Is

*Bibliographies included in general list of bibliographies on page 54.

**For a list of the principal series issued regularly, see. v.9, no.10, p.354.

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Agricultural Adjustment Administration
(Continued)

Suggestions for negro farmer discussion groups. Nov. 30, 1936. 2 p.
Issued by Program study and discussion section. 1.94 Ad472Sug

To cities desiring to serve as host city to the seventh world's poultry congress
and exposition. 1936. 5 p. Issued by Poultry section. 1.94 P86T

The wheat outlook and the 1937 agricultural conservation program. By E.J.
Bell. 1937. 9 p. (Press release 824-37) Address before the Eastern Ore-
gon wheat league, Heppner, Oregon, Dec. 4, 1936. 1.42 W52Wh

Bureau of Agricultural Economics

Government butter grading. By R. C. Potts. Excerpts from addresses at Fond
du Lac, Wis., Oct. 7, 1936 and at La Crosse, Wis., Nov. 11, 1936. 1936.
6 p. 1.9 Ec724G

Official standard grades for Green river tobacco (U.S. Type 36) Jan. 1937.
9 p. 1.9 Ec7920

Practical problems in crop estimating. By J. A. Becker. Address, Weather-
Crops seminar, Kansas state college, Topeka, Kansas, Nov. 12, 1936. 1936.
8 p. 1.9 Ec71Pra

Revisions, annual legume crops and all tame hay acreage, yield and production,
crop years 1924-1935. By states. 1937. 29 p. Issued by Crop reporting
board. 1.9 Ec71R

Tillage, planting, and harvesting equipment on grain farms and rates of doing
field work with these implements when drawn with horse and with tractor
power (Northern great plains and Pacific northwest) By R.S. Washburn, and
D. Merrick, Dec. 1936. 51 p. 1.9 Ec762Ti

Utilization of tractors and cost of tractor power on grain farms (Northern
great plains and Pacific northwest, 1933) By R.S. Washburn, and R.S. Kifer,
1936. 31 p. 1.9 Ec762Uti

Bureau of Biological Survey

Check-list of marsh and aquatic plants of the United States. Compiled by
E. Hitchcock. 1936. 27 p. (Wildlife research and management leaflet
BS-72.) Issued by the Section of food habits, Division of wildlife research.
1.9 B524W

Directions for destroying house mice. 1937. 2 p. (Wildlife research and
management leaflet BS-78.) Issued by the Section of predator and rodent
control, Division of game management. 1.9 B524W

Feeding and caring for squirrels. 1937. 2 p. (Wildlife research and
management leaflet BS-80.) Issued by the Section of fur resources,
Division of wildlife research. 1.9 B524W

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Bureau of Biological Survey
(continued)

Mink raising. 1937. 3 p. (Wildlife research and management leaflet BS-82.)
Issued by the Section of fur resources, Division of wildlife research.
1.9 B524W

Rodent control aided by emergency conservation work. By S. F. Young. 1936.
30 p. (Wildlife research and management leaflet BS-54 (rev. with ill.))
Issued by the Division of game management. 1.9 B524W

Some suggestions for bird field study. By M. T. Cooke. 1936. 6 p.
(Wildlife research and management leaflet BS-76.) Issued by the Section
of distribution and migration of birds, Division of wildlife research.
1.9 B524W

Vent diseases of domestic rabbits. By F. D. McKenney and J. E. Shillinger.
1937. 4 p. (Wildlife research and management leaflet BS-79.)
Issued by the Section of disease control, Division of wildlife research.
1.9 B524W

Waterfowl restoration -- the plain facts, by I. N. Gabrielson. 9 p. Address
delivered at a meeting of the Md. state game and fish protective association,
Baltimore, Dec. 14, 1936. 1.9 B52A

The wild turkey on the Missouri Ozark Range. (Preliminary report). By
H. L. Blakey. 1937. 32 p. (Wildlife research and management leaflet
BS-77.) Issued by the Section of food habits, Division of wildlife
research. 1.9 B524W

Bureau of Chemistry and Soils

Explosion and fire prevention research as related to the fire service. By
D. J. Price, 1937. 7 p. Address at Fire department instructors' conference,
Memphis, Tenn., Jan. 5-8, 1937. Issued by Chemical engineering research
division. 1.9 C4922Exp

Information on flavoring extract manufacture accompanied by Partial list of
references on beverage and food flavors. 1936. 3 p. 1.9 C4925Pbe

Information on the manufacture of wine. 1936. 15 p. 1.9 C4925Inf

Extension Service

Extension program planning. By K. Knaus. 1936. 7 p. An address given before
the Kansas and the Kentucky annual extension conferences, 1936. (Cooperative
extension work in agriculture and home economics, U. S. Department
of agriculture and state agricultural colleges cooperating) 1.9 Ex892Epp

Some observations on the organization, functions, and activities of the division
of cotton marketing. By J. M. Potts. 1936. 32 p. (Extension service circular
no. 251) 1.9 Ex892Esc

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Extension Service (continued)

Trends in education and their relation to the 4-H club program. By L. Bane, Department of Home economics, University of Illinois, 1937. 4 p. Presented at Home economics breakfast, National club congress, Chicago, Ill., Dec. 2, 1936. Issued by Division of cooperative extension. 1.9 Ex892Tre

Forest Service

Highlights of Douglas fir natural regeneration, by L. A. Isaac. 7 p. (Forest research notes, no.21) Jan. 2, 1937. Issued by Forest experiment station, Pacific northwest, Portland, Oregon. 1.9 F7629Fr

Pulpwood yields from experimental thinnings in old-field stands of loblolly and shortleaf pines. By H. Bull. Dec. 28, 1936. 9 p. (Occasional paper no.57) Issued by Forest experiment station, Southern, New Orleans. 1.9 F76240

Some problems of forest research in the Central states by W. M. Baker. 1936. 3 p. Talk given at the annual meeting of the Central states forestry congress, Elkins, W. Va., Sept. 30, 1936. Issued by Forest experiment station, Central states, Columbus, Ohio. 1.9 F76252So

Graduate School

History of the U. S. Department of agriculture and the development of its objectives. By Dr. C.R. Ball, Executive secretary of the Coordinating committee, U. S. Department of agriculture, Tennessee Valley authority, and Land-grant colleges. Lecture 2 in the special course on Objectives of the Department of agriculture given in the Graduate school of the Department on Oct. 16, 1936. 1936. 24 p. 1.9 Ag81Edo

The place of the Department of agriculture in the evolution of agricultural policy. By M. L. Wilson, Address, Dept. of agriculture, Dec. 11, 1936. One of a special series of lectures on Department objectives presented under the auspices of the graduate school. 1936. 9 p. 1.9 Ag81Edo

Bureau of Plant Industry

Chemical, milling, and baking results for wheat varieties grown in the cooperative varietal experiments in the western region in 1934. By C.C. Fifield, C. E. Bode, B.B. Bayles, J.F. Hayes, R. Weaver, and A. Christie. 1936. 41 p. Issued by Division of cereal crops and diseases in cooperation with Bureau of agricultural economics. 1.9 P6917Ch

Lespedeza sericca. By A. J. Pieters. Jan. 1937. 12 p. Issued by Division of forage crops and diseases 1.9 P691Les

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VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS

Compiled by

Ralph M. Brown, Librarian, Virginia Polytechnic Institute

January 1937

The following list was compiled from old agricultural periodicals, principally the Farmer's Register and the Southern Planter. It includes all the reports of Virginia agricultural societies and clubs which were found mentioned from 1825 to 1886. Though not a complete list, it is probably the only one of its kind in existence. The first date after each title signifies the first mention found of the society or club meeting; a question mark after the first date signifies that no proof was found that the date was the year the society or club was organized; inclusive dates signify that mention was found of the society or club in each of those years; a dash and question mark at the end of dates signify that no later mention was found of the society or club but that there may have been later meetings.

Abingdon Hole-and-Corner Club.

Gloucester County. 1854-57-?

Agricultural and Horticultural Society of Virginia.

1841-?

Agricultural Society for King William and King and Queen.

1834-?

Agricultural Society for Loudoun, Fauquier, Prince William, and Fairfax.

1825(?) -27-?

Agricultural Society of Amherst.

1834-?

Agricultural Society of Buckingham.

1833-37-?

Agricultural Society of Charlotte.

1834(?) -40-?

Agricultural Society of Cumberland.

1837(?) -42-?

Agricultural Society of Elizabeth City.

1841(?) -?

Agricultural Society of Essex.

1842-?

Agricultural Society of Fredericksburg.

1817-40-?

Agricultural Society of Lower Virginia.

1827-?

Agricultural Society of Nottoway and Amelia.

1838-?

Agricultural Society of Southwestern Virginia. Wytheville.

1857-60.

Agricultural Society of Sussex.

1822-28-?

Agricultural Society of the Valley.

1822-26-?

VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS

(continued)

- Albemarle Agricultural Society.
1817-48
- Albemarle Hole-and-Corner Club, No. 1
1847(?) - ?
- Albemarle Hole-and Corner Club, No. 2
1857(?) - 1858-?
- Bedford Agricultural Society.
1833(?) - ?
- Birdwood Hole-and-Corner Club.
1851(?) - ?
- Botetourt Agricultural and Mechanical Association.
1887-?
- Brunswick Agricultural Society.
Ebenezer Academy. 1851-54-?
- Bush and Briery Agricultural Club.
Prince Edward County. 1858(?) - ?
- Central Agricultural Society and Mechanic Institute.
1835-?
- Central Agricultural Society of Virginia.
1859, 1860-?
- Chesapeake Agricultural and Industrial Society.
1899-1884-?
- Chickahominy Farmers' Club.
Henrico and Hanover counties. 1850(?) - ?
- Chuckatuck Agricultural Club.
1839(?) - ?
- Culpeper Agricultural and Mechanical Society.
1808, 1809
- Fairfax Agricultural Society.
Fairfax Court House. 1849(?) - 59(?) - ?
- Franklin Agricultural and Mechanical Society.
1883-84-1885-86.
Changed name to Tidewater Agricultural and Mechanical
Society, 1885-86.
- Fredericksburg County Society to Encourage Domestic Manufactures and
Improve Breed of Sheep.
1751-?
- Gloucester County Agricultural Society.
1857-?
- Goochland County Agricultural Society.
1843(?) - 1853-?
- Greenbrier Agricultural Society.
1859(?) - ?
- Guiney Farmers' Club. Caroline County.
1871(?) - ?
- Hanover County Agricultural Society.
1843(?) - 1853-?
- Henrico Agricultural and Horticultural Society.
1840-53-?

VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS
(continued)

Henrico Farmers' Club,
1878(?) - ?

Herndon and Guilford Farmers' Club.
1868 - ?

Holston Agricultural and Mechanical Society.
1871 - ?

Huntingdon County Agricultural Society.
1857(?) - ?

Jackson County Agricultural Society.
1861 - ?

James City County Farmers' Club.
1876 - ?

Jefferson County Agricultural and Mechanical Society.
1850-56 - ?

Keswick Farmers' Club.
1873-78 - ?

King William Agricultural Association.
1891-92 - ?

Laurens Agricultural Society.
1857(?) - ?

Lee County Agricultural and Mechanical Association.
1869-70 - ?

Liberty Neck Agricultural Club of Amelia County.
1856(?) - ?

Locust Bottom Botetourt Agricultural Club.
1856(?) - ?

Loudoun County Agricultural Society.
1852-54 - ? Leesburg.

Loudoun Colt Club.
1859(?) - ?

Lunenburg Hole and Corner Club.
1844(?) - 50 - ?

Lynchburg(?) Agricultural Society.
1859(?) - ?

Lynchburg Agricultural and Mechanical Society.
Conforming charter granted to, by judge of Circuit Court.
1869-70.
Changing name to Lynchburg Industrial Society, 1887-88.

Marlington Farmers' Club.
Hanover County. 1850(?) - ?

Marshall County Agricultural Society.
1849-50 - ?

Mason, Cabell and Kanawha Agricultural Society.
1822-1860 - ?

Mecklenburg Hole and Corner Club No. 1
1842 - ?

Monroe County Agricultural Society.
1859(?) - ?

VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS

(continued)

- Nansemond County Agricultural Society.
1857, 1858-
- Nazomine Agricultural Club.
1850-?
- New London Agricultural Society.
1833-34-?
- Norfolk Agricultural and Pomological Society.
1868-?
- Norfolk and Princess Anne County Agricultural Society.
1835(?)-1853.
Name changed in 1853 to Seaboard Agricultural Society
of Virginia and North Carolina.
- North Anna Agricultural Association.
1839(?)-?
- Northern Neck Agricultural Association.
1891, 1822-?
- Northern Neck Stock Association.
1870-?
- Northwestern Virginia Agricultural Society.
1857, 1858-?
- Nottoway Farmers' Agricultural Club.
1852(?)-54-60-?
- Nuttsville Agricultural Club.
Lancaster County. 1853-?
- Pedlar Hole and Corner Club.
Amherst, 1857(?), 1858-?
- Piedmont Agricultural Society.
1878(?)-?
- Piedmont-Fauquier Agricultural Club.
Ivanhoe. 1858-?
- Powhatan Agricultural Club. Farmers Club, No. 1
1852-54-?
- Potomac Agricultural and Mechanical Society.
1874, 1875-?
- Prince George Agricultural Society.
1842-?
- Prince George Hole-and-Corner Club.
1852-?
- Prince William County Agricultural Society.
1855-?
- Princess Anne Agricultural Society.
Kempville. 1852-?
- Pulaski Agricultural and Mechanical Association.
1871, 1872-?
- Pulaski Agricultural and Mechanical Society.
1895(?), 1896-
- Rappahannock River Agricultural Society.
1853-?

VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS
(continued)

- Rappahannock Valley Agricultural Society.
Fredericksburg. 1859(?) - ?
Formerly Fredericksburg Agricultural Society (1853-59).
- Rappahannock Valley Agricultural and Mechanical Society of Fredericksburg.
1885, 1886 - ?
- Richmond Farmers Club.
1850(?) - ?
- Rockbridge Agricultural and Mechanical Society.
1859, 1860 - ?
- Rockbridge Agricultural Society.
1833(?) - ?
- Seaboard Agricultural Society of Virginia and North Carolina. Norfolk.
1853-1859-60 - ?
To 1853, Norfolk and Princess Anne County Agricultural Society.
- Shenandoah Valley Agricultural Society.
1872-1885.
- Smythe County Farmers' Club.
1876(?) - ?
- Society of Virginia for Promoting Agriculture.
Richmond(?). 1811-20.
- Southwest Virginia Agricultural and Livestock Association.
1901 - ?
- State Agricultural Club.
Richmond. 1851 - ? Formed of members of the Assembly, of the Agricultural Convention, and of other interested citizens.
- Tazewell County Agricultural and Mechanical Society.
1872, 1873 - ?
- Tidewater Agricultural and Mechanical Society.
1885-86 - ?
Name of Franklin Agricultural and Mechanical Society changed to 1885-86.
- Tide Water Society.
1853 - ? Port Royal.
- Tuckahoe Farmers' Club.
1876(?) - ?
- Union Agricultural (?) Society of Virginia and South Carolina.
1853-59 - ?
- Union Agricultural Society of Nottoway and Amelia.
1838 - ?
- United Agricultural Societies of Virginia.
1822(?) - ?
- United Farmers' Club of Orange, Culpeper, and Madison Counties.
1856 - ?
- Upperville Union Club for the Improvement of Horses.
1857-59 - ?
Upperville Union Colt Club. 1859-60 - ?

VIRGINIA AGRICULTURAL SOCIETIES AND CLUBS

(continued)

- Valley Agricultural Society.
Jefferson, Clark, Frederick, and Berkeley counties.
1850-1859-60-?
- Virginia Central Agricultural Society.
Richmond. 1859(?) -60-?
- Virginia Horticultural and Pomological Society.
Richmond. 1868-?
- Virginia State Agricultural and Mechanical Society.
1887-88-?
- Virginia State Agricultural Society.
Richmond. Incorporated in 1852.
1852-60, 1869(?) -1877-?
- Virginia State Horticultural Society.
1899, 1900-?
- Wardsfork Agricultural Club.
1854(?) -?
- Wentworth Farmers Club.
1850(?) -?
- Western Agricultural Society of Virginia.
1825, 1826-?
- Wheeling Agricultural Society.
1853, 1854-?
- Woodlawn Agricultural Society.
1866-?

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"Revolt against the city" by Grant Wood, the painter and member of the faculty of the State University of Iowa, is the leading article in Rural America for February, 1937. The article is published there by special arrangement with Frank Luther Mott, the Clio Press, Iowa City, Iowa, who holds the copyright and has the work available in booklet form.

The manuscript copy of Thomas Jefferson's Garden Book is described by Dr. Rodney H. True in the last issue of the Proceedings of the American Philosophical Society, vol. 76, 1936, no. 6, pp. 921-945. The original manuscript is contained in the Library of the Massachusetts Historical Society but the U. S. Department of Agriculture has a photostat copy.

The Farm and Implement News for January 14, 1937, is largely devoted to celebrating the John Deere Centennial, as was the January 9 issued of the Implement and Tractor which was referred to in the last number of Agricultural Library Notes.

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FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY

An account of

his contributions to the early development of the Library's collections and bibliographical equipment in the field of botany

By Claribel R. Barnett,
Librarian, U. S. Department of Agriculture

In the death on January 9, 1937, of Frederick Vernon Coville, Principal Botanist in the Division of Plant Exploration and Introduction, Bureau of Plant Industry, the Library lost a most valued friend. His career in the Department had been intimately associated with the development of the Library for more than four decades. He was born March 23, 1867, graduated from Cornell University in 1887; and came to the Division of Botany in the Department in 1888. Accustomed as he was to the library facilities at Cornell University, he must have been greatly disappointed to find the Department Library in the condition it was at that time. Its inadequacy will be evident from the following strong statement of the Secretary of Agriculture, Jeremiah Rusk, which appeared in his report for 1889:

"An essential to efficient work is a well-selected and well-stocked library, which shall cover all the lines of inquiry of agriculture and agricultural science. It is useless to attempt to do first-class work that shall pass the scrutiny of the sharpest criticisms without having at hand what has been done and said in the past and what is constantly coming in from a prolific press. Our library, of something like 20,000 volumes only, is specially weak in the Government publications, some of which are of rare merit; in the agricultural reports of the several States, for which there is a great demand; in general agriculture, without which no one can well treat agriculture historically; in foreign agricultural reports and publications, without which in these times of cosmopolitan thought and work no such library as ours is properly equipped, and in several lines specially needed by the respective divisions of the Department. All the divisions need strengthening. The library has but a fugitive volume or two of any herd book, and is so woefully lacking in many lines that I refrain from further specifying.

"In the change of the library from the old room, which was so small as to compel a suspension in a measure of the collection of more books and the rejection of the Government publications, it was, for want of help, badly disarranged, so that what we had was so difficult to find that it was almost a bar to any attempt to make a comprehensive study of any topic. A special effort* has been made to re-arrange and reclassify it, and we now hope for a more satisfactory use of what we have, and for an appropriation sufficient to fill up the gaps and place it on a proper footing."

*The special effort was the appointment, during the summer of 1889, of Mr. W. I. Fletcher, then Librarian of Amherst College, to come to the Department and prepare a classification of the Library, which was not only unclassified but also uncatalogued.

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

The Library at that time was located on the second floor in the middle portion of the old red brick Administration Building. Adjoining the Library at the east end were the quarters of the Division of Botany. Mr. Coville had, therefore, ample opportunity for learning the condition of the Library, both as regards its resources and also as regards its facilities for making its resources available.

Another factor which contributed greatly to Mr. Coville's understanding and interest in the Library was the appointment in September 1891 of Miss Josephine A. Clark as botanical bibliographer in the Division of Botany. She was a graduate of Smith College, class of 1880, and had studied library work in 1888/89 in the first library school in this country, the one started at Columbia University by Melvil Dewey. Before coming to the Department Miss Clark had been Assistant Librarian at the Gray Herbarium, Harvard University. She combined a technical knowledge of cataloguing and bibliographical work with a knowledge of botany and her work had attracted the attention of Dr. George Vasey, then Chief of the Division of Botany.* In carrying on her botanical work she was closely associated with Mr. Coville and, like him, must soon have become aware of the condition of the Department Library. It was therefore only natural that their common interest in botanical literature and bibliography should later have led to important results in the development of the Library.

In March 1893, after the death of Dr. Vasey, Mr. Coville was appointed to his place. Six months later Mr. William Parker Cutter was made Librarian of the Department, the first librarian to be appointed under Civil Service. Mr. Coville and Mr. Cutter were born in the same year and both were graduates of Cornell, Mr. Cutter in the class following that of Mr. Coville. Having much in common in their background it was only natural that they looked at the Library from much the same point of view and cooperated closely from the beginning. In the four years from 1889, when the Secretary made his statement on the unsatisfactory condition of the Library, to 1893 there must have been much agitation leading up to the appointment of a trained librarian under Civil Service. Whether or not Mr. Coville had some part in it is not definitely known. It does, however, seem quite certain that Mr. Cutter learned through Mr. Coville of Miss Clark's training and experience and of her special fitness for work in the Department Library, for only a few days after his appointment as Librarian, Mr. Cutter asked for the transfer of Miss Clark from the Division of Botany to the Library to be Assistant Librarian. This appointment also was most fortunate for the development of the Library. Mr. Cutter and Miss Clark together reorganized the Library, introduced modern library methods, and established the library policies under which it has since been administered.

*While with the Division of Botany Miss Clark prepared a Systematic and alphabetical index of new species of North American Phanerogams and Pteridophytes which was published in the Contributions from the National Herbarium, volume 1, number 5. In 1893 she also started a card index of new genera and species of American plants, which index she carried on for ten years, when owing to many other duties she decided to hand over the work to the Gray Herbarium for continuance.

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

Immediately after his appointment as Librarian, Mr. Cutter turned his attention to increasing the appropriation for the Library and in this was supported by the Secretary of Agriculture, J. Sterling Morton. In his report to the President for the fiscal year 1893 the Secretary requested an increase in the Library appropriation from \$3,000 to \$6,000. So great were its deficiencies that this increase which was provided in the Library's appropriation for the following fiscal year was far from adequate. As this was clearly recognized by Mr. Coville and keenly felt by him in the work of his division, he began (with the approval of Mr. Cutter) to work for additional funds for the purchase of books and periodicals in the appropriation for the Division of Botany. In transmitting to Secretary Morton his first report, for the period March-December 1893, Mr. Coville had made the following urgent recommendation:

"The Botanist desires here to urge the great necessity of much increased library facilities for the Division of Botany. It is especially desired that the books available for the use of this Division shall include a full series of publications devoted to the economic knowledge of plants, for, while the Division of Botany cannot from the limitations of its organization and appropriation undertake experiments in a very large number of subjects, it should be able at all times to furnish whatever information has been published upon these subjects. It is urged, therefore, that if the general appropriation for the library of the Department shall not be sufficiently increased for the purpose, that a special appropriation in accordance with the needs of the case shall be made available for the use of the Division of Botany for the purchase of these and other books now needed by that division."

In April, 1894, in the following letter to the Secretary, he amplified still further the need for improved library facilities:

"One of the deficiencies most keenly felt at present by the Division of Botany is the lack of a sufficient library. A nucleus of a good botanical library already exists in the Department and an examination of several of the larger libraries in Washington has disclosed an additional number of works devoted to botany, the use of many of which could without doubt be had by the Department of Agriculture under proper provisions for safe-keeping. In the present overcrowded and unsafe conditions of the Division, the Botanist has not thought it advisable to request the loan of such books. The Department of Agriculture should have a library in which accurate information regarding the vegetable resources of the world would be at all times accessible, but at present its library is deplorably deficient in this class of books....To bring about the desired result, I would urge that steps be taken at an early date to secure a suitable building....I estimate that it can be properly built and equipped for one hundred thousand dollars, and that five thousand dollars properly expended would bring the botanical library to a high standard of usefulness..."

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

Such was the beginning of Mr. Coville's active support of the Library. During the fiscal years 1896 to 1906, the appropriations for his division contained authority for the purchase of books and periodicals for his division. No figures for the total amount expended for this purpose are available but it is certain that the sum spent each year amounted to at least several hundreds of dollars and that in some years it was a thousand. The additional botanical books which these funds enabled the Library to purchase contributed in very large measure to the building up of the collections in the field of botany and they were obtained much earlier and at lower prices than would have been possible if it has been necessary to await the time when they might perhaps have been purchased from the Library appropriation.

In all his book purchases Mr. Coville cooperated to the fullest extent with the Library, with Mr. Cutter until the latter's resignation as Librarian of the Department to accept a position in the Library of Congress, and afterward with Miss Clark who succeeded Mr. Cutter on January, 1901. The books purchased from the funds of the Division of Botany were treated no differently from those purchased from the Library funds. Mr. Coville never insisted that they be filed in his Division because they were purchased from its funds. In a letter to Dr. C. W. Dabney, then Assistant Secretary of Agriculture, on June 2, 1894, in regard to his inquiry as to why the Division of Botany was purchasing certain books, Mr. Coville replied as follows and what he wrote then was true throughout his association with the Library:

"This request for books was not intended to use any of the surplus appropriation of the Division of Botany, but was made because of urgent necessity in the Division of Botany for certain books which could not be purchased from the Library fund... It is by no means intended that any books purchased on requisition from the funds of the Division of Botany should be kept distinct as belonging to a division library. No such institution exists in the Division of Botany, and I am entirely opposed to the founding of one. All books purchased on the request in question would go through the customary routine of the general library."

It will be of interest here to give in Mr. Coville's own words later, two summaries of his efforts to increase the resources of the Library, for they show also the care with which the purchases were made. The first is from his report for the year 1905 and the second from his report for 1906:

"Due to the inadequate facilities in Washington for the botanical work of the Government, Congress made a special appropriation, several years ago in the agricultural appropriation bill for the purchase of necessary botanical works out of the funds for botanical investigations and experiments. Similar provision has been made annually. By this means the Department has been enabled to secure not only the current publications which are necessary to any botanical library but to purchase needed books, out of print and valuable, in such a way as to strengthen greatly the library facilities in Washington and make it possible for botanists employed by the

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

Government as well as those visiting Washington and temporarily conducting investigations here to secure the books necessary for the proper completion of their researches. By a system of cooperative purchases between the Department of Agriculture, the National Museum, and the Library of Congress, the funds for botanical works at the disposal of these institutions have been used in such a way as to avoid duplication and to secure the most valuable books and those most needed in our botanical investigations. A continuance of the same procedure will ultimately result in the accumulation by the Government of a library which will be of inestimable service to botanical research throughout the United States.

"During the past year a plan* has been perfected to improve and enrich the botanical library facilities of the Government. The essential features of the plan are a joint catalogue of the botanical works in the various Government libraries of Washington, D.C., a joint purchasing arrangement between the libraries chiefly concerned, and a purchasing list of botanical works not in any of the Washington libraries but especially desired for reference. The libraries most actively interested in this plan are the Library of Congress (including the Smithsonian Deposit), the Library of the Department of Agriculture, and that of the National Museum. The plan has proved highly satisfactory, not only to the botanists who use the books but to the librarians who purchase and care for them. It prevents unnecessary duplication, is economical, promotes a knowledge of the books available, and gives a clearer idea of the books required. There is every probability that the plan will be extended to other departments of literature in the Government libraries."

The discontinuance in the fiscal year 1907 of the provision for the purchase of books and periodicals in the appropriation of the Division of Botany was apparently due to a conviction of the House Committee on Agriculture at that time that the appropriation of the Library of the Department should provide for the purchase of all books and periodicals for the use of the Department. Not only did the Committee omit the provision from the appropriation of the Division of Botany but also from that of the Weather Bureau.

*The plan to which Mr. Coville refers is probably that of a sub-committee on organization of Department libraries which was appointed in 1906 in connection with the Keep Committee on Department Methods. Mr. Coville served on this sub-committee as did also Miss Clark.

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY

(continued)

The disallowance of Mr. Coville's book fund did not, however, deprive the Department Library of the invaluable aid furnished by his office in the selection and recommendation of books. Miss Marjorie F. Warner, who in February 1903 had been transferred, at Mr. Coville's request, from the Department Library to be Librarian of his office, under the "Literature of Botany" project, continued to advise and assist in the purchase of botanical publications until her connection with the project came to an end in 1922. When she returned in 1926 in another capacity, she was fortunately able to resume her former task in connection with the Library's purchases in certain lines and continued this work until her final retirement in 1934*. This assistance was very largely instrumental in building up the Department's remarkable collection of botanical literature and establishing an excellent basic collection of the classics of agriculture and materials for the study of its history. Thus, from the cooperation initiated by Mr. Coville over 40 years ago it has been possible for the Library to achieve in great measure the ideal he expressed in April 1894 of "a library in which accurate information regarding the vegetable resources of the world would be at all times accessible."

The "Literature of Botany" bibliographical project of Mr. Coville's office is generally referred to as having been formally initiated by him in the fiscal year 1896 when the purchase of books from the appropriation of the Division of Botany was first definitely authorized in the Department appropriation act. The "Botanical Catalogue", the nucleus of which was the botanical part of the catalogue of the Department Library, was not begun until February 1903, when Miss Marjorie F. Warner became Librarian of his office.** In the course of Miss Warner's work the examination of titles with reference to the cooperative purchase of books among the different libraries necessitated some kind of a check list showing what books were already available and where located. Starting as a mere author list in cooperative book buying, it came to be generally consulted by workers in botanical lines and as it grew it became necessary to enlarge its scope in many ways. Because of other library duties, Miss Warner was able to devote only part of her time to the work on the catalogue. Therefore, in 1906, Mr. Coville decided to appoint an additional assistant for the work and requested the transfer of Miss Alice C. Atwood to the staff of his division with the particular task of developing the catalogue. From this period dates the beginning of the botanical subject catalogue. In the next two years rapid progress was made on its development.

*From 1923-1926, Miss Warner had leave of absence because of family responsibilities and in July 1934 she was obliged to resign on account of her health.

**The office had been previously moved from the old red brick Administration Building to 303 13th Street. The Division had also become a part of the Bureau of Plant Industry organized in 1901 by the consolidation of the Division of Botany, the Division of Vegetable Pathology and Physiology, the Division of Pomology, the Division of Agronomy, the Office of Superintendent of Gardens and Grounds, Foreign Seed and Plant Introduction, and the Congressional Seed Distribution. After consolidation with the Bureau of Plant Industry, Mr. Coville's office was known as Botanical Investigations and Experiments, later as Taxonomic Investigations, and still later as Office of Economic and Systematic Botany. There were also other transient changes in title. In 1934 his office was merged into the Division of Plant Exploration and Introduction.

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

That Mr. Coville attached special importance to the bibliographical work carried on by his office is shown by the following quotation from a letter which he wrote to Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, on November 11, 1907:

"In connection with the work of Taxonomic Investigations [the title of Mr. Coville's office at that time], it has been found necessary to develop a working collection of books bearing on this subject, for in this, probably more than in any other line of research in the Bureau, it is essential that works of reference be at hand and quickly accessible. In addition to collecting the available books, an attempt is being made to index botanical literature of all of the libraries in this city. This work is carried on under B. P. I. Project No. 381, 'The Literature of Botany'. We believe this undertaking is one of the greatest possible value to the entire Bureau, not only to those engaged in Taxonomic botany, but to all those engaged in research work with plants along any line, and we recommend that this project be liberally supported."

In 1908 there was what might be called a crisis in this undertaking. The bringing together in the West Wing of the various offices which had in 1901 been combined to form the Bureau of Plant Industry had made it desirable to have a library for the whole Bureau instead of separate libraries for the divisions as had been necessary as long as the divisions were separated in different buildings. Particularly was this true of the larger divisions, the Office of Botanical Investigations and Experiments, under Mr. Coville, and the Office of Vegetable Pathology and Physiology Investigations, under Dr. A. F. Woods. The Vegetable Pathology and Physiology Library in charge of Miss Eunice R. Oberly had developed an extensive special catalogue which was becoming increasingly important as a bibliographical tool in the subject of plant pathology, as was the Botanical Catalogue in the more general field of botany. It will be evident, therefore, that the decision of the administrative officers of the Bureau of Plant Industry to organize a bureau library created a difficult situation, not only from the point of view of personnel but also in regard to the planning of the related bibliographical projects of the two libraries. To the very great and lasting credit of all concerned, particularly Miss Warner, Miss Atwood, Miss Oberly, and Mr. Coville, there was finally worked out most amicably, co-operatively and entirely in the interest of the work, a plan which in the end resulted in the greater expansion and increased usefulness of both bibliographical projects.

In accordance with the plan decided upon, after the Bureau had appointed Miss Oberly as Librarian of the Bureau, Mr. Coville agreed to have the salaries of Miss Warner and Miss Atwood paid, as in the past, from the funds of his office, to have the Botany Catalogue moved to the new quarters of the Bureau library, along with the Plant Pathology Catalogue, and to have Miss Warner and Miss Atwood, as bibliographical assistants, carry on their work as a bibliographical adjunct to the work of the Bureau library. To make this possible, Miss Warner and Miss Atwood, with Mr. Coville's consent, were provided with quarters adjoining, and to all intents and purposes a part of, the Bureau library. Being freed from administrative duties, they were able to devote practically their full time to bibliographical work. With this arrangement and with the will to make it a success, Miss Warner, Miss Atwood and Miss Oberly

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

made plans to operate the Bureau library as a unit and to combine their two catalogues into one. These plans, as far as the catalogue was concerned, were not fully accomplished until some years later because of the large amount of work involved in the revision of the two catalogues before they could be combined. Moreover, in the meantime other new special bibliographical projects were initiated in response to definite needs. Among these should be mentioned the systematic indexing of old scientific serials begun in 1911 by Miss Atwood, the compilation of a bibliography of horticulture for works published previous to 1860, which was begun by Miss Warner in 1912, the reclassification of the botanical portion of the Department Library, undertaken by Miss Warner and Miss Atwood in 1912-13, the indexing of illustrations of flowering plants begun by Miss Atwood in 1914, and the indexing of current botanical publications begun in 1914. It was therefore not until 1915 that the Botanical Catalogue and the Plant Pathology Catalogue were fully merged. The author entries of the two catalogues were combined in one alphabet but it seemed best to keep the subject catalogue in two parts, namely, botany in one part and plant pathology in the other part. It is on this same plan that the catalogues exist today.

In 1919 the Bureau Library was confronted by the problem of lessening the increasingly heavy circulation of current periodicals. One of the results of attempting to solve this problem was the issuance every two weeks in mimeographed form of a list of "Current Author Entries", consisting of the accumulation of the current indexing. This was initiated by Miss Oberly and was found to meet a real need. The title was later changed to "Botany Current Literature" and more recently to "Plant Science Literature". Miss Atwood is now responsible for the issuance of these lists and all the botanical entries in the lists are incorporated later in permanent form in the Botanical Catalogue.

In November 1921 the Library suffered a very great loss in the death of Miss Oberly but the Bureau library continued to be administered in the same cooperative spirit. In 1923 it seemed advisable to the Bureau of Plant Industry officials to give up the book collection kept in the Bureau library. Consequently, with Mr. Coville's consent the Botanical Catalogue was moved to the main Library and the library assistants were given office space near the catalogue. In 1923, when the main Library was moved to its present location in the South Building, the Botanical Catalogue was placed in the Public Catalogue Room next to the general catalogue of the Department Library, thus consummating Mr. Coville's cooperation with the Library. To the general catalogue of the Library, the Botanical Catalogue, which now comprises more than a half million cards, is an invaluable adjunct in the special field of botany and horticulture. It is not too much to say that it also stands as a monument to library cooperation in the Department. To the service of the Library it also, has added valued prestige.

The liberal spirit in which Mr. Coville's bibliographical project was conceived appeared very early in his determination that books purchased with his funds should not be the sole property of his office but were to form part of the Department Library and be administered for the benefit of the Department. This same liberality was applied to the work of the bibliographical assistants on the project. In the words of Miss Warner, "they were accorded the utmost liberty in shaping their work to meet various needs as they arose. So far as the exigencies of the routine demands made it possible, Mr. Coville not only

FREDERICK VERNON COVILLE - FRIEND OF THE LIBRARY
(continued)

permitted but welcomed opportunities to give service outside of his office. This attitude enabled the bibliographical project to perform diversified and far reaching service and furnished an incentive for highly specialized bibliographical and historical research in the literature of plant science. Mr. Coville evidently realized that such a project could not attain great usefulness without wide experience and opportunity and that its service should not, therefore, be limited to his own office but should be available to the entire Department and should respond as fully as possible to the ever increasing needs and developments of botanical science."

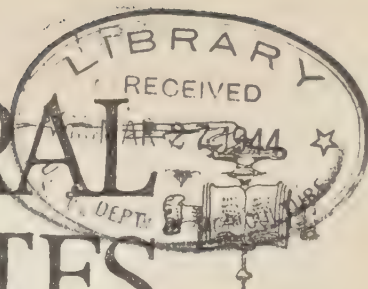
Mr. Coville continued his contributions to the financial support of the Botanical Catalogue up to 1931 when a rearrangement of Bureau funds made it seem desirable to have all expenses of the Bureau library, including the expenses of the catalogue and other bibliographical work, borne by the Bureau as a whole. The total amount which Mr. Coville's office spent in connection with the "Literature of Botany" project, including the amounts spent both for books and for salaries is believed to be fully \$100,000. If to this are added the generous contributions made by the Bureau of Plant Industry administrative office and other divisions of the Bureau in continuing and expanding this project, it will be evident how great is the Library's financial indebtedness to Mr. Coville and to the Bureau of Plant Industry as a whole. The value of this cooperation in terms of its benefits to the Library and its users it is impossible to estimate.

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AGRICULTURAL LIBRARY NOTES

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PRINCIPAL LIBRARY ACCESSIONS*

Agriculture

- ECUADOR. DIRECCIÓN GENERAL DE COMERCIO. The republic of Ecuador and her principal agricultural products. Quito, 1936. 31.9 Ec93
INDIA. SIND. DEPT. OF AGRICULTURE. Summary of present position of the work of the Agricultural department in Sind and a 5-year programme of development 1936-1941. Karachi, 1936. 34.2 In26

Biography

- CLINE, R. The life and work of S. A. Knapp. Nashville, Tenn., 1936. Thesis (Ph.D.) George Peabody college for teachers. 120 K72C
FOSTER, J. W. John Cook, America's pioneer hybridizer of roses and father of Radiance. Baltimore [John Cook, inc.] 1936. 120 C772
HAGEDORN, H. Brookings; a biography. New York, Macmillan, 1936. 120 B792

Botany

- BEDEVIAN, A. K. Illustrated polyglottic dictionary of plant names in Latin, Arabic, Armenian, English, French, German, Italian and Turkish language. Cairo, Argus & Papazian, 1936. 452.14 B39
BRETSCHNEIDER, E. V. History of European botanical discoveries in China. Leipzig, Koehlers, 1935. Reprint ed. 460.14 B75H 1935
CHRISTOPHERSEN, E. Plants of Gouch island (Diego Alvarez) Oslo, Dybwad, 1934. (Scientific results of the Norwegian antarctic expeditions 1927-1928 et seq., instituted and financed by consul Lars Christensen. no. 13) 460.72 C46
SHELL COMPANY, ltd. Australian wild-flowers. Melbourne, Robertson and Mullens, 1934. (National handbook no. 9) 460.31 Sh4
STILES, W. An introduction to the principles of plant physiology. London, Methuen, 1936. 463.3 St5

Cement

- PORTLAND CEMENT ASSOCIATION, Chicago. DEVELOPMENT DEPT. Progress report on exploratory laboratory investigation of soil-cement mixtures. Chicago, 1936. 299 p832
VUGNON, M. Vocabulaire du ciment et de la chaux. Paris, Revue des matériaux de construction et de travaux publics, 1936. French, English, German. 209 V97

* Requests which are sent to the library for items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Chemistry

- HARVEY, C. O. The determination of iodine in biological substances. London, 1935. (Medical research council (Gt. Brit.) Special report series, no. 201) 387.1 H26
- HAYNES, W. Chemistry's contribution; the economics of new materials; an address delivered before Princeton university on December 10, 1935. Princeton, Guild of Brackett lecturers, 1936. 388 H33C
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*Under the direction of Dr. L. E. Hinkle, Professor of Modern Languages.

**Under the direction of S. T. Ballenger, Assistant Professor of Modern Languages.

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THE SCIENTIFIC USE OF LITERATURE.

By Edward R. Weidlein and William A. Hamor.

[The following article is a reprint (with some omissions) of Chapter X of the authors' book entitled "Glances at Industrial Research during Walks and Talks in Mellon Institute," 1936. In the preparation of this chapter the authors acknowledge the help of L. W. Bass, Director of Research, Borden Company. The article is included in Agricultural Library Notes on account of its general interest in connection with the bibliographical work of the Department.]

The scientific use of literature, or, as it is technically termed, bibliochresis, has the pilotage of all scientific investigation. It has, in fact, the same relation to research as the latter has to management; it is the intelligence service of all orderly inquiry, the preparational agent of factual determination, the guide of experimental trial in eliminating chance, in the whole realm of science...

To be scientific, an investigation of any type must be made methodically--a condition that prescribes, primarily, that all scientific research be conducted in the light of recorded experience. This requirement applies to the exercise of the historical and analytic procedures of investigation as well as to the employment of the experimental method, whose use, whether for confirmation or for original work, rests upon prior knowledge and art, that is, accepted practice.

The scientific use of literature, then, is indispensable in laying the foundation for scientific research. Since it enables the qualified worker to find the experience of his predecessors, as recorded in the literature, it confers upon him either the power to predict the results of effort--this is the outcome if the recorded information is evidently factual, that is, definite and confirmed--or the ability to plan further research on the same or an analogous topic...

The collection of recorded experience is plainly the provision of data for facilitating scientific decision and for projecting research. The factual information thus acquired is the groundwork for the comparison and measurement that compose analytic research; it is also the foundation for gaining the new ideas that characterize invention and discovery. Continued progress in science became possible only when the development of the art of printing enabled investigators to make use of the recorded observations of other scientists.

The necessity for a literature search as a prelude to experimental investigation, either disinterested or industrial, has long been an axiom of the scientific professions. The importance of this first step has often been stressed, but rather as a policy of pedagogical value than as a defense of the procedure. Laments at the increasing volume of scientific literature have become hackneyed, demands for more efficient abstracts and reviews have become strident, but these various voices have not been raised against the value of an intimate knowledge of previous researches in a given field. The wastefulness of needless repetition of experiments already described in the literature and the concomitant inefficiency that allows pertinent experimental findings to remain buried in the library are recognized generally.

SCIENTIFIC USE OF LITERATURE (Continued)

Of the men best qualified to analyze the factors that lead to high scientific attainment--research directors, personnel managers, experienced investigators, technical editors, educationists--few will deny the necessity of library studies as a discipline for the self-conceit of the researchful mind. The scientific societies and organizations and the philanthropic agencies for the advancement of science have been unanimous in recommending increased use of existing facilities and concerted effort to improve the technical libraries throughout the world...

The opinion of these authorities concerning the value of literature work is confirmed by several facts.

(1) Bibliography occupies a prominent place in the curricula of research training schools. For example, a number of universities are now giving courses in chemical literature. Among the textbooks dealing with the subject wholly or in part should be mentioned "The Literature of Chemistry," by Crane and Patterson; "Chemical Publications," by Mellon, and "Introduction to Organic Research," by Reid. "Medical bibliography" is another pedagogic innovation.

(2) There is a constantly increasing need in industrial laboratories for chemical bibliographers, other scientific literary specialists, and chemical economists.

(3) The recognition of the utility of bibliographic material in compact form is shown by the demand for indexes to the literature, as evidenced by the large number of orders received by their publishers.

(4) Satisfactory incomes, considering everything, are enjoyed by a number of practicing bibliographers who specialize in preparing, for stipulated fees, select bibliographies and also reviews of the journal and patent literature.

(5) Many men have been found to be unsatisfactory in industrial research because of their lack of knowledge of elementary bibliographic procedure. How often in our personnel work we have seen the criticism of a referee of a candidate to the effect that the latter "was not able to work with ease and interest in literature searches" or "was replaced by a better man because he could not be depended on to make a thorough survey of the literature!"

(6) Systematic use of the literature is the means of establishing authority and originality, in science as well as in history and jurisprudence.

In discussing the subject of bibliographic studies from a broad point of view, several varying requirements must be taken into consideration. The type of literature survey best suited to any given problem must be decided, of course, in each particular case. There is, so to speak, a law of diminishing returns for library work. The handbooks, monographs, and other reference manuals give a maximum of information in a minimum of time. When the search is projected into the original literature, the information to be obtained tends to become more and more diffuse as the quest is made more thorough. "Bibliography is as complicated as anatomy, as intricate as physics, as certain as history, and as interesting as life itself," is the view of a great medical educationist.

SCIENTIFIC USE OF LITERATURE (Continued)

Literature lists and indexes are often prepared by general agencies for the promotion and encouragement of research. All administration of the proper type must rest on factual information, and hence any methods that facilitate the location of facts are short-cuts to sound management. In providing these indexes, which are of great value as starting-points for studies, such organizations are performing an important service, particularly because it is becoming increasingly difficult to arrange for the publication of material of this kind through the scientific press...

Noteworthy examples of critical indexes of the literature are found among the monographs sponsored by various technical organizations, such as those of the American Chemical Society. These books give not only comprehensive lists of references to the original literature, but the author in each case, usually a dean of the investigators in his field, unifies and summarizes impartially the experimental contributions that have been made. The constantly increasing cost of publication and the lack of space due to this factor as well as to the large number of papers that come before almost every editor for consideration have led to the existing preference for select bibliographies. These condensed indexes also save the time and serve the needs of the average reader.

There is considerable difference in many cases between the character of the library work appropriate for academic and that for industrial research. In the field of pure science, searching literature studies are made more or less as a matter of course. Such work is for the most part carried out in universities or research institutes with good bibliographic facilities and with somewhat more deliberate an atmosphere than that in an industrial laboratory. There is usually a professor or research director to plan the investigation, which is generally for a thesis. The problem selected must be reasonably free from overlapping studies in order that the junior author may be assured of a research publication; he is supposed to publish a paper to fulfill all the requirements for his degree, or, at least, he is eager to be able to treasure reprints of an addition to his short list of papers. In either case, the disappointment aroused by finding that his efforts have been dissipated on something already worked out is not to be taken lightly by those who are training our youth for enthusiastic scientific careers. Then, too, his own efforts to make use of the library are not to be overlooked. An exhaustive bibliography is an essential part of his thesis (and it is to be regretted that more theses, with their extended bibliographic studies, are not available for general use). In his conversations with fellow students he incites them to destroy the historical background of his work. Finally, when the completed article is submitted to a journal, a board of editors jealously guards against the duplication of a previous publication. It must be remembered also that the literature pertinent to a problem in pure science is likely to be more easily located than in the case of an industrial project. In spite of all these precautions, unwitting duplication of results is not unknown.

The bibliographic problems of the industrial research man are much more complicated. He is expected to use his time to the best advantage.

SCIENTIFIC USE OF LITERATURE
(Continued)

He must work in libraries that, as a rule, are not so thoroughly stocked as those of the universities, although this condition is being improved markedly. The literature of industrial science is more difficult to follow: the journals for both the technical and pure science publications must be examined; the patent literature must be much more carefully searched than in the case of pure science research; the publications of most interest to him will often contain veiled meanings, and, finally, the things for which he is searching may have been done but never published. This last possibility is of importance in connection with supposedly patentable processes and products.

There are, it is true, some scientists in both pure and applied research who have been eminently successful in spite of the fact that they have purposely refrained from systematic use of the existing literature. They are usually of the genius type, men of great originality and resourcefulness, who would have achieved fame in any field. A noted scientist comes to mind--a heroic figure, inspired, intrepid, a veritable lion of research, yet withal a kindly philosopher whose personal charms have endeared him to two generations of students. His views are that a methodical, mechanical literature survey cramps his imagination, that it often turns him from profitable paths of research, that he has never been able to duplicate exactly any one's results, and, finally, that to him the never-ending joy in scientific work is in finding something he did not know before, even though it might have been found previously by many other workers. Few of us can attain to his heights. As time goes on and the various fields become more and more thoroughly worked over, genius will encounter increasing difficulty in asserting itself.

It seems to us that the attitude of mind of the man who can achieve continuous research success without using the literature systematically is susceptible to further analysis. He has a profound knowledge of his speciality and he keeps in touch with current progress, although in a desultory fashion. His self-confidence is maintained by his achievements as well as by his grasp of the field. He can therefore plan new work by visualization with reasonable accuracy. Self-satisfaction with his procedure comes to him through his success.

All of us sympathize with this attitude, but it is more than questionable whether it should be encouraged as a matter of general practice. The position of the scientist in the world has changed; he is no longer an unimportant person following the vagaries of researchful imagination, but an important factor in the economic life of a country. Neither industrial laboratories nor research institutions would subscribe to the view that a scientist has fulfilled his duty if he gratifies his personal curiosity by rediscovering old facts merely because he has been too unsystematic to search the literature.

An aspect of literature study seldom emphasized is that, in the hands of a specialist endowed with imagination, trends in research can be analyzed and forecasts can be made with a reasonable degree of probability. The worker can avoid fields in which, from a survey of the literature, it appears that too many groups of workers are engaged to

SCIENTIFIC USE OF LITERATURE
(Continued)

give promise of marked success if he starts in, far behind, to catch up with the others. On the other hand, a particularly keen man can sometimes perceive an important goal which the mass of workers has been too preoccupied to see.

The scientist, scorner of riches though he may be, almost invariably has a certain respect for the acumen and enterprise of the successful business man. The world of affairs, on the other hand, although somewhat awed by the researcher, usually regards him as impractical. It is somewhat paradoxical that the great strides made in business practices during the present generation are in large measure due to the introduction of the scientific method into managerial procedure. Library research has played an important part in all such changes.

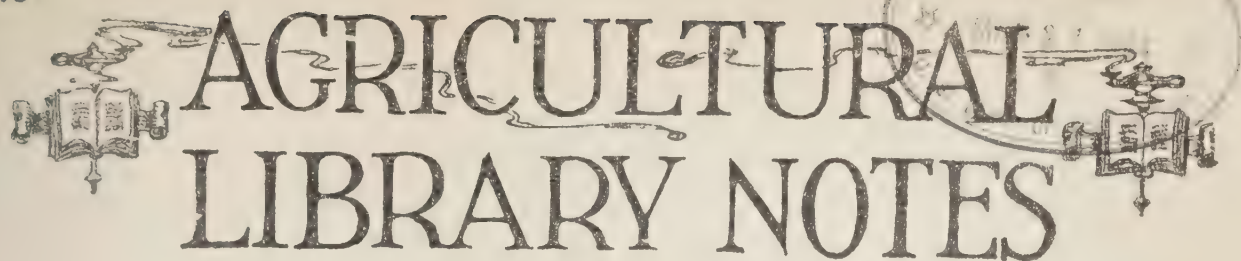
Nor has scientific management been neglected by the industries based on science. Before the war there were few persons who could qualify, for example, as chemical economists, but in this respect other fields of management were no further advanced. Now we find in many branches of industry economic surveys of real excellence, and the procedures of collecting and analyzing such important data are advancing continuously.

Organization is characteristic of the age. All human activities are becoming more and more a matter of coordinated regulation. The dietetically chosen food we buy on a budget plan from a chain store has been systematically approved by city, state, and national health officers; it has been distributed, with or without intermediaries, to the retailer according to his calculated sales volume by the manufacturer, who has prepared its reception by scientifically executed advertising; it has been transported over railroads whose interrelations are controlled by governmental regulation based on economic reasoning; the raw materials were selected by means of standardized tests; even the ultimate producers are now being more and more firmly knit together by the economic necessity for management on scientific principles.

The same spirit of organization hovers over the research laboratory, which creates such products. The haphazard methods of the inventor will experience increasing difficulty in competing with organized research, both in pure and applied science. As the literature increases, more and more critical studies will be required, and still larger research units will be obliged to correlate their efforts to avoid duplication. It is not the time to urge less use of the library, but to encourage research workers to follow the literature as never before.

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NOTES ON PERIODICALS

New, Changed, and Discontinued

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- Georgia sportsman. Georgia sportsman publishers, 412 State Capitol, Atlanta, Ga. mo. 8º. il. v. 1, no. 1, Nov. 1936. 50 cents a year. Official publication of the Georgia Department of game and fish.
- Indian forest records (new series) *Chemistry.* Published by Manager of Publications, Delhi. irreg. 8º. v. 1, no. 1, 1936. Subscription price, Rs.1-14 or 3s.3d.
- Karakul fur sheep breeder. Chicago. Changed to *Karakul breeder* with Apr./June 1937.
- Paper world. 333 North Michigan Ave., Chicago, Ill. mo. 4º. il. v. 1, no. 1, March 1937. Free to subscribers to the Paper Industry.
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Good comes from evil, even the boll weevil. (Fla. Univ. Agr. Ext. Serv., Fla. Improved Farming Messages, First in Series.) Gainesville, 1937.
Showing how to grow profits on the farm: Agricultural extension service resolves science into practice. (Fla. Univ., Agr. Ext. Serv., Fla. Improved Farming Messages, Second in Series.) Gainesville, 1937.
SIKES, A. M. 4-H club food preparation guide and record book for food, nutrition and health program. (Fla. Univ., Agr. Ext. Serv. Misc. Pub. 15.) Gainesville, 1936.
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Georgia

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KELLEY, V. W. Grape pruning in Illinois. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 468.) Urbana, 1937.

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BUEL, E. I. Meats. (Purdue Univ. Dept. Agr. Ext. Bul. 214.) Lafayette, 1937.
MANHART, V. C. Frequent marketing of cream necessary for quality. (Purdue Univ. Dept. Agr. Ext. Leaflet 205.) Lafayette, 1936.
SKINNER, J. H. Twenty-fifth annual report of Purdue University, Department of Agricultural Extension, Lafayette, Indiana, July 1, 1935 to June 30, 1936. Purdue Univ. Dept. Agr. Ext., 1936. Lafayette.

Kansas

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Kentucky

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Maine

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NUTTING, A. D., and ASHMAN, R. I. Management of the Maine farm woods. (Maine Agr. Col. Ext. Bul. 233.) Orono, 1937.
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Massachusetts

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Col. Ext. Leaflet 167.) Amherst, 1937.

Michigan

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Minnesota

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ROMNESS, J., and ZIMMERMAN, L. P. Farmstead wiring. (Minn. Univ. Agr. Ext.
Spec. Bul. 179.) University Farm, St. Paul, 1936.
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HOWE, O. W. Furrow irrigation. (Minn. Univ. Agr. Ext., Agr. Engin. News
Letter 59.) University Farm, St. Paul, 1937.
WHITE, H. B. Farmstead measurements. (Minn. Univ. Agr. Ext., Agr. Engin.
News Letter 60.) University Farm, St. Paul, 1937.
JESNESS, O. B. Crop insurance. (Minn. Univ. Agr. Ext., Minn. Farm
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Nebraska

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Sheep Circ. 331.) Lincoln, [1936]
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FAIRBANKS, F. L., and BRUCKNER, J. H. Brooding chicks under electric
hoovers. (N. Y. Agr. Col. (Cornell) Ext. Bul. 366.) Ithaca, 1937.
KNOTT, J. E., and PLATENIUS, H. The retail handling of vegetables.
(N. Y. Agr. Col. (Cornell) Ext. Bul. 368.) Ithaca, 1936.
WORK, P., and GRIFFITHS, A. E. Varieties of vegetables for 1937.
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HAIG, F. M., and NANCE, R. E. Livestock judging for 4-H club members.
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- BUTCHER, F. G. Horse bots. life history and control. (N. Dak. Agr. Col. Ext. Circ. 148.) State College Station, Fargo, 1937.
- Pointers in buying commercial canned foods. (N. Dak. Agr. Col. Ext. Circ. 149.) State College Station, Fargo, 1937.
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- CHRISTENSEN, F. W., and others. Iodine for livestock. (N. Dak. Agr. Col. Ext. Circ. 151.) State College Station, Fargo, 1937.

Ohio

- WEED, F. C. Round the world with books. (Ohio Agr. Col. Ext. Bul. 183.) Columbus, 1936.
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- MOORE, H. R. Trends in taxation. (Ohio Agr. Col. Ext. Bul. 188.) Columbus, 1937.
- Farmers' institutes, Ohio 1936-37. Fifty-sixth annual report and fifty-seventh announcement of farmers' institutes, 1936-1937. Ohio Agr. Col. Ext. Serv. [1936] Columbus.

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- ANDERSON, E. J. Beekeeping in Pennsylvania. (Penn. State Col. Ext. Circ. 141, rev.) State College, 1936.
- DICKEY, J. B. R. Fertilizing farm crops. (Penn. State Col. Ext. Leaflet 26, rev.) State College, 1936.
- HUNTER, J. E., and others. Feeding chicks. (Penn. State Col. Ext. Leaflet 44.) State College, 1936.

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HUMPHREYS, G. When our dollars get together. (W. Va. Agr. Col. Ext. Good Living Ser. V, Lesson no. 4, Adventures in Broader Living.) Morgantown, [1937]

HUMPHREYS, G. Wake up and live. (W. Va. Agr. Col. Ext. Good Living Ser. V, Lesson no. 5, Adventures in Broader Living.) Morgantown [1937]

Wisconsin

ROWLANDS, W. A. Blasting with safety. (Wis. Agr. Col. Ext. Circ. 288.) Madison, 1937.

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MUSBACK, F. L., and CHAPMAN, C. J. Better yields on central Wisconsin soils. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1937.

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PAMPHLETS FOR DISTRIBUTION BY THE RESETTLEMENT ADMINISTRATION

The Resettlement Administration now has available a number of printed leaflets, folders, and pamphlets describing its various activities and services to farms. The following pamphlets may be obtained free upon request from the Resettlement Administration: Helping the farmer adjust his debts; The work of resettlement; Greenbelt; Restoring poor land to good use; Better land for better living; Greenbelt towns; Rural resettlement; Helping the farmer help himself; Greenhills; The plow that broke the plains; Resettlement Administration; Greendale; What Resettlement Administration has done; America's land; Rammed-earth construction. Also available, by purchase from the Superintendent of Documents, Government Printing Office, are the following pamphlets: First annual report of the Resettlement Administration. 40¢; The future of the Great Plains. 40¢.

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- U. S. Surgeon general's office. Library. Periodicals currently received in Army medical library. Washington, 1936. 41 p. Mimeographed. 241.9 Un34P
- Vienna. Universität. Verzeichnis über die seit jahre 1872 an der philosophischen fakultät der Universität in Wien eingereichten und aporobierten dissertationen. v.3 Wien, 1936. 241.8 V67
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Bureau of Chemistry and Soils.

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Extension Service.

Posture; selected list of illustrative and reference material. Comp. by M. Birdseye. Washington, 1937. 8 p. Mimeographed.

Issued by the Division of cooperative extension. 1.9 Ex892Post

Bureau of Plant Industry.

A digest of pasture research literature in the continental United States and Canada 1885 to 1935. Corrections and additions, Feb. 1937. by A. J. Pieters. Washington, 1937. 12 p. Mimeographed. 1.9 P691Di

A "Union List of Serials in Maine Libraries", compiled by Dorothy Smith, has been published as University of Maine Studies, series 2, no. 40 (The Maine Bulletin, v. 39, no. 8, February 1937). It contains 257 pages. The cooperating libraries were the Bangor Public Library; Bates College, Lewiston; Bowdoin College, Brunswick; Bangor Theological Seminary; Colby College, Waterville; Maine Historical Society, Portland; Portland Society of Natural History; Portland Public Library; Roscoe B. Jackson Memorial Laboratory, Bar Harbor; Maine State Library, Augusta; and University of Maine, Orono.

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BULLETIN BINDERS FOR HIGH SCHOOL LIBRARIES

A scheme to add to the life of publications used by students and to reduce requests for duplicates, is described as follows in The ACE for April 1937, v. 19, no. 8:

"More than fifty Wisconsin teachers of vocational agriculture are building workshop libraries of farm bulletins. Realizing that the bulletins published by colleges of agriculture and agricultural experiment stations usually contain the most up-to-date information on these subjects, these teachers have purchased sets of fiber bulletin binders in which to keep these bulletins for ready reference by their students. The binders are made up in sets of six upon the subjects of animal husbandry, plant husbandry - soils and field crops, plant husbandry - orchard and gardening and special crops, farm mechanics, marketing, and rural life, and are made available through the office of the Extension Editor at Madison at 15 cents a copy or 90 cents a set. The bulletins supplied the agricultural departments of these high schools are punched in the College mailing room, ready for binding by the students or the teacher in the high schools. The system is working out splendidly and the teachers are reporting very fine use by the schools and a conservation of bulletin supplies."

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during March 1937, exclusive of Bibliographies*
and current issues of serials.**

Office of the Secretary

Address by Henry A. Wallace at Annual meeting of the Virginia Farm Bureau, Richmond, Va., March 22, 1937. 13 p. 1.9 Ag8636

Agriculture and trade agreements. Statement made by the Secretary of agriculture, Henry A. Wallace, before the hearings of the Senate finance committee on the bill to extend the Trade Agreements Act of 1934, February 11, 1937. 3 p. 1.9 Ag8636

Economic information for farmers. Remarks by Henry A. Wallace in the National farm and home hour, Washington, D.C., March 23, 1937. 4 p. 1.9 Ag8636

Extension leadership in agricultural affairs. By Harry L. Brown, Assistant secretary of agriculture. Conference of directors of extension, State leaders of county agricultural agents, county home demonstration agents, and county 4-H club agents in the 12 eastern states, New York City, February 25 - 27, 1937. 5 p. 1.9 Ag8640

The farmer and the national diet. Remarks by Henry A. Wallace in the National farm and home hour, Washington, D.C., March 30, 1937. 6 p. 1.9 Ag8636

Foundations of southern prosperity. Address of Henry A. Wallace at Second Annual fat cattle show and Sale of the Twin States livestock association, Augusta, Ga., March 31, 1937. 11 p. 1.9 Ag8636

Producer goals and consumer goals. Address by Secretary Henry A. Wallace before the Consumers emergency council, Hotel Pennsylvania, New York. March 6, 1937. 10 p. 1.9 Ag8636

Progress or decline? Remarks by Henry A. Wallace in the National farm and home hour, March 9, 1937. 5 p. 1.9 Ag8636

Quality in foods and feeds. Remarks by Henry A. Wallace in the National farm and home hour, March 16, 1937. 5 p. 1.9 Ag8636

Remarks of Assistant secretary of agriculture, Harry L. Brown, over Station WOI at Ames, Iowa, March 25, 1937. 6 p. 1.9 Ag8640

Agricultural Adjustment Administration

Dust, soil conservation, and wheat. Address prepared for delivery by G. E. Farrel, Director, Western division, at Farmers' meeting, Dodge City, Kans., March 22, 1937. 11 p. 1.94 W56Fa

* Bibliographies included in general list of bibliographies on page 202.

**For a list of the principal series issued regularly, see v.9, no.10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
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Bureau of Agricultural Economics

Average prices received by farmers for livestock and livestock products, 1936, with comparisons. Washington, February 1937. 7 p. Issued by Crop reporting board. 1.9 Ec71Av1

Cattle ranching and range utilization in western North Dakota; special report to cooperators. By H.B. Johnson and R.D. Jennings. Washington, 1937. 96 p. (In cooperation with the North Dakota agricultural experiment station and Extension service) 1.9 Ec7Ca

The importance of graded and stamped meats to retailers and consumers. By B.F. McCarthy. 1937. 7 p. Address, University of Minnesota's Fourth annual retail meat dealers' short course, Nicollet Hotel, Minneapolis, Minn., March 8-9, 1937. 1.9 Ec713I

Naps, neps, notes, and seed-coat fragments; a description of certain elements of cotton quality. By N.L. Pearson. Washington, 1937. 7 p. 1.9 Ec733Na

Quality of cotton ginned in Mississippi, crops of 1928-34. By W.B. Lanham, F.H. Harper, and M. Dodson. Washington, 1937. 38 p. (In cooperation with Mississippi agricultural experiment station) 1.9 Ec733Qua

Recent agricultural credit developments relating to commercial banks. By N.J. Wall. Washington, 1937. 16 p. 1.9 Ec78R

Revised estimates of sweet potato acreage, yield per acre, and production 1868-1923. February 1937. 30 p. 1.9 Ec7Rs

Source of chickens raised in 1928 and 1934. March 1937. 3 p. 1.9 Ec71Sou

The soybean outlook. March 26, 1937. 4 p. 1.9 Ec71Soy

Wholesale prices received by farmers for whole milk, 1909-1936. Collected and prepared by Ronald E. Johnson... Division of crop and livestock estimates. Washington, 1937. 60 p. 1.9 Ec71Who

Bureau of Animal Industry

Bighead in sheep, a result of plant poisoning. By A.B. Clawson and W.T. Huffman. February, 1937. 5 p. 1.9 An56Big

Disinfection of incubators and brooders. March 1937. 1 p. Issued by Pathological division. 1.9 An56Di

Bureau of Biological Survey

Classification and price trends of silver fox pelts for the year 1937. By C.E. Kellogg. 1937. 6 p. Issued by Division of wildlife research, Section of fur resources. 1.9 B524C1

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Food of the scaled quail. (Preliminary report) By L.H.Kelso. 1937. Wildlife research and management leaflet BS-84. 9 p. Issued by Division of Wildlife research, Section of food habits. 1.9 B524W

The National bison range and the C.C.C. Washington, January 15, 1937. 3 p. 1.9 B52Nb

The Niobrara game preserve in Nebraska and its improvement by the C.C.C. Washington, January 25, 1937. 4 p. 1.9 B52Ng

Bureau of Dairy Industry

Concentrated sour skim milk. 1937. 3 p. (BDIM-760) 1.9 D142Cs

Extent of production of casein of different types and of casein whey in the United States. By R.W.Bell. 1937. 3 p. (BDIM-747) 1.9 D142Ex

New phases in the DHIA and bull association programs, by J.F.Kendrick. 1937. 7 p. (BDIM-757) Issued by Division of dairy herd improvement investigations. 1.9 D145N

Outline of dairy cattle demonstration. 1937. 6 p. (BDIM-729. Revised Mar.4, 1937) 1.9 D1430

Extension Service

Central states clothing program statistical reports. March 1937. 8 p. Prepared at the request of G.E. Frysinger for use of specialists and others in attendance at the Central states regional conference, Ames, Ia., March 25-27, 1937. 1.9 Ex892Cs

Central states home-furnishing program. March 1937. Excerpts from extension annual reports on home furnishing aims, procedure and results as reported by extension workers in 1935 and 1936 annual reports. Assembled by M. Rokahr. Washington, 1937. 31 p. Issued by Division of cooperative extension. 1.9 Ex892Cent

The central states home-furnishing program, March 1937. Statistical reports. Washington, 1937. 8 p. Issued by Division of cooperative extension. 1.9 Ex892Cs

Clothing extension programs. March 1937. Excerpts from 1935-36 annual reports of clothing extension specialists and county home demonstration agents. Prepared by E.Allen. Washington, 1937. 15 p. 1.9 Ex892C1o

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- The county agent speaks; problems in county agricultural work and its supervision as suggested by representative county agents in the eastern states. For use in the discussion conference on supervision, Annual extension conference, Eastern states, New York City, February 25-27, 1937. 13 p. 1.9 Ex892Cd
- Film strips of the United States Department of agriculture. Price list 1936-37 (revised February 1, 1937) 8 p. Issued by Division of cooperative extension. 1.9 Ex892Fil
- The home demonstration agents' point of view; problems in home demonstration work and its supervision as suggested by representative county home demonstration agents in the eastern states. For use in the Discussion conference on supervision, Annual extension conference, Eastern states, New York City, February 25-27, 1937. 7 p. 1.9 Ex892Cd
- Individualized instruction in colleges of agriculture. By E.H.Shinn. Washington, 1937. 12 p. (Extension service circular 258) Presented before the Subsection of resident teaching, Association of land-grant colleges and universities, Houston, Texas, November 16, 1936. 1.9 Ex892Esc
- Lecture notes for film-strip series no.175. The production of clean milk. Prepared by Division of market-milk investigations, Bureau of dairy industry. Revised December 1936. 9 p. Issued by Division of cooperative extension. 1.9 Ex892La
- Motion picture films available on insects and spiders. U.S. Department of agriculture films. Washington, 1937. 11 p. 1.9 Ex894Mp
- Points for 4-H club members to work for, by M. Birdseye. Washington, 1937.. 2 p. Issued by Division of cooperative extension. 1.9 Ex892Pff
- Posture exercises, stunts, and games. Compiled by M. Birdseye and E. Gardner. Washington, 1937. 8 p. Issued by Division of cooperative extension. 1.9 Ex892Poe
- Posture in housework. Washington, 1936. 2 p., 13 pl. (Miscellaneous extension publication 34) Issued by Division of cooperative extension. 1.9 Ex892Mi
- Program. Central states regional extension conference. Memorial union building, Ames, Iowa, March 25-27, 1937. 21 p. 1.9 Ex892Cs
- Reports and recommendations; sectional conferences of supervisors of county extension agents. Annual extension conference, Eastern states, Hotel Victoria, New York City, February 25-27, 1937. Washington, 1937. 15 p. 1.9 Ex892Cd
- Some things to think about; excerpts from letters received in the Washington office from Assistant directors of extension and county agent leaders. Washington, 1937. 5 p. Prepared for the Annual extension conference, New York City, February 25-27, 1937. 1.9 Ex892Cd

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Extension Service (continued)

State leaders of home demonstration agents say what the greatest problems in supervision are; prepared from suggestions received from the State leaders of home demonstration agents in the 12 Eastern states for supervisors' conference, New York City, February 25-27, 1937. 2 p. 1.9 Ex892Cd

Suggested plan for work in posture in connection with 4-H club for boys and girls, by M. Birdseye. Washington, 1937. 5 p. Issued by Division of cooperative extension. 1.9 Ex892Supp

Symposium, Regional conference-Southern states. Rice Hotel, Houston, Tex., November 11-13, 1936. Washington, 1937. 64 p. Summaries of papers presented at conference. 1.9 Ex892Rep

Forest Service

Pulpwood and farmers in the south. By W. R. Matton, Extension forester, U. S. Forest service, Division of private forestry. Washington, 1937. 3 p. 1.9 F766P

Bureau of Plant Industry

Comparison of winter wheat varieties grown in cooperative plot and nursery experiments in the hard red winter wheat region in 1936. By K.S. Quisenberry. Lincoln, Nebr., February 1, 1937. 52 p. Issued by Division of cereal crops and diseases. 1.9 P6917Co

Cooperative uniform comparisons of corn topcrosses. By M. T. Jenkins. 1936. Washington, D.C., March 15, 1937. 40 p. Issued by Division of cereal crops and diseases in cooperation with the State agricultural experiment stations. 1.9 P6917Coo

The National potato breeding program, 1936. By F.J. Stevenson, C.F. Clark and cooperators. 1937. 27 p. Issued by Division of fruit and vegetable crops and diseases. 1.9 P772Pot

Results of spring wheat varieties grown in cooperative plot and nursery experiments in the spring wheat region in 1936, by J.A. Clark. Washington, 1937. 32 p. Issued by Division of cereal crops and diseases. 1.9 P6917Rs

Bureau of Public Roads

Paper presented by T.H. MacDonald, chief, U.S. Bureau of public roads, at the Annual convention of the American railway engineering association, Chicago, Ill., March 17, 1937. 14 p. 1.9 R53Ad

Resettlement Administration

Basic elements of a national program of land reform. By L.C. Gray. Paper read before conference of Southern agriculture workers, Nashville, Tenn., February 3, 1937. 12 p. 1.95 Ad8G

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Resettlement Administration
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- Land utilization and human welfare. By R. E. Willard, Land use planning section. An address before Resettlement conference in connection with the annual meeting of the Association of southern agriculture workers, Nashville, Tenn., February 2, 1937. 7 p. 1.95 Ad8W
- Problems of the great plains and possible solutions, by R. E. Willard, Land use planning section. Address before members of the Colorado legislature, Denver, Colo., January 26, 1937. 15 p. 1.95 Ad8W
- Recent trend toward diversified farming in southern cotton areas. By H.I. Slentz, Washington, 1937. 9 p. (Land use planning publication no.17) Issued by Land Utilization division, Land use planning section. 1.95 L224

Soil Conservation Service

- Advance report on the sedimentation survey of Bayview reservoir, Birmingham, Ala., November 30, 1935-January 25, 1936. By D.H. Eargle and F.F. Barnes. March 1937. 12 p. (SCS-SS-11) 1.96 R31R
- Advance report on the sedimentation survey of High Rock Reservoir, Salisbury, North Carolina, May 18, 1935 - October 25, 1935. By D.H. Eargle. Washington, 1937. 23 p. (SCS-SS-10) 1.96 R31R
- The agronomy and range management conference, Denver, Colo., January 13-16, 1937. 98 p. Prepared by Division of conservation operations, Section of agronomy and range management. 1.96 Op2Ag

Weather Bureau

- The application of meteorology to hydrologic problems. Address by W.R. Gregg before the Society of American military engineers, February 15, 1937. 6 p. 1.9 W37Ap
- Is our climate changing? By J.B. Kincer, chief, Division of climate and crop weather. March 10, 1937. 7 p. 1.9 W37Is

Miscellaneous

- Investigations of the farm storage of wheat (Bankhead-Jones special research fund).. A progress report of work carried on jointly by the Bureaus of agricultural engineering, agricultural economics, and plant industry of the U. S. Department of agriculture and the Agricultural experiment stations of Illinois, Kansas, Maryland, Michigan, Minnesota, North Dakota and Ohio. Washington, Feb. 5, 1937. 5 p. 1.9 Ag84I
- Report of Committee on palatability of meats in relation to the commercial grades. Washington, 1937. 47 p. 1.9 Ag84C

FREE FARM CENSUS LEAFLETS

By Z. R. Pettet, Chief Statistician for Agriculture,
Bureau of the Census, Department of Commerce.

"Back to the farm", share croppers, farm tenancy, labor, drought, crop failure and crop insurance, soil improvement, disappearance of the horse, and rural electrification are but a few of the important topics of the day upon which the Census furnishes figures. These are summarized in a set of brief reports.

Thousands of teachers, hundreds of cooperatives, dozens of discussion and debating societies, granges, "Future Farmers of America", farm organizations, and CCC camps are using these Farm Census free summary leaflets in regular teaching and discussion programs. For their reference work, they and many others wish to depend upon the libraries for file copies and reference rather than to send in to the Census for these releases.

Another large class of persons which needs releases for ready reference are county planning and research committees of Resettlement, Soil Conservation, AAA, PWA, and many others. These persons constantly write to us complaining that the publications which they require for reference are not available in local libraries. The demand for Census data is likely to be still further augmented because of numerous special articles in farm, Government, educational, cooperative and trade papers. The first series published in School Life, Extension Service News, News for Farm Cooperatives, and Domestic Commerce have brought in a large number of direct requests to us for the leaflets mentioned in the articles. In addition to these requests, a number have suggested that we "stir up" the libraries and get them to carry files of the releases, as well as the formal publications of the Census which are printed by the Superintendent of Documents and are for sale by him at from 5 cents to 15 cents each. (For serious and continued reference these are more satisfactory and convenient than the separate leaflets.)

The Census is extremely desirous that a set of the United States free summary leaflets and those for every State and county be in every library in the United States. Owing to the large number that would be required, these cannot be issued broadcast but may be secured by every library making a request. Please address Bureau of the Census, Division 6-A, Washington, D. C. (Wilson Bulletin for Librarians, April 1937, p.541)

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CONGRESSES

Congrès Mondial de la Documentation, Paris, 16-21 Août 1937. (World Congress of Universal Documentation, Paris, August 16-21, 1937), Secretariat of the Congress, 28 rue Saint-Dominique, Paris (VIIe).

Within the scope of "Documentation" are listed: The elaboration of documents, their publication, collection, indexing, and storing, the elaboration of documentation, types of documentation, documentary bodies, the utilisation of documentation, administration, buildings, equipment, the world-wide system of documentation, etc.

Ilème Congrès International de la Presse Agricole, The Hague, Holland, June 15-16, 1937.

This congress, which was originally scheduled to be held in Paris, is to be held instead at The Hague, in connection with the Seventeenth International Congress of Agriculture. General Sekretariat of the Congress, 86, Via Regina Elena, Rome, Italy.

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LIBRARIES LAUNCH EXPERIMENTS WITH PAMPHLETS

"Citizens in thirty American cities will find it immeasurably easier to keep in touch with up-to-date and impartial opinion on public questions, due to a project now under way sponsored by three non-partisan agencies - the United States Office of Education, the American Library Association, and the Public Affairs Committee.

A list of 660 pamphlets on public affairs has been compiled by the Office of Education, all of which are being supplied to the public library in each of the thirty cities, where any person interested can consult them.

Sources of the pamphlets are as varied as the make-up of any American community, but are representative of the best contemporary thought on many sides of issues demanding public consideration.

Cities in which the pamphlet collection may be found include Albany, Atlanta, Baltimore, Chattanooga, Cleveland, Colorado Springs, Dayton, Denver, Des Moines, Detroit, Goldsboro (N. C.), Houston, Indianapolis, Knoxville, Little Rock, Los Angeles, Media (Pa.), Milwaukee, Minneapolis, Morgantown (W. Va.), Ogden (Utah), Portland (Ore.), Rochester, Santa Ana, San Diego, Schenectady, Seattle, Waco (Tex.), Washington, D. C., and Wichita (Kan.). Half of the cities are centers for federal public forums; the others were selected because of numerous local groups actively concerned with civic questions.

The use of pamphlets has been steadily growing in favor with American readers, according to the libraries which are keeping an eye on their use. Until now, the purchase of pamphlets has been fully as great a problem as their selection, however. Although the cost of a pamphlet is trifling, the bother of ordering and paying for individual titles from any number of sources has kept many people from purchasing.

To eliminate this obstacle, the Public Affairs Committee, headed by Raymond Leslie Buell of the Foreign Policy Association, has agreed to act as a clearing house for any of the pamphlets on the Office of Education list. This accommodation is open to forum leaders, discussion groups, or clubs, as well as to libraries.

There will be no charge for this service and orders and inquiries may be directed to Caroline C. Curtis, Pamphlet Distribution Service, Public Affairs Committee, National Press Building, Washington, D. C.

A new edition of the Office of Education list, Public Affairs Pamphlets, is now being printed, and will soon be available from that office without charge.

The outcome of the experiment in these cities will probably determine whether similar pamphlet libraries will be provided for other communities." (Bulletin of the American Library Association, April 1937, p. 198)

Note: Further information on the project described above is contained in an article entitled "Public Affairs Pamphlets, an Experiment in Adult Education", by Margaret Barry, Public Affairs Committee, Washington, D. C., which appeared in Special Libraries for February 1937, p. 44.

AMERICAN DOCUMENTATION INSTITUTE

The American Documentation Institute has been incorporated on behalf of leading national scholarly, scientific and informational societies to develop and operate facilities that are expected to promote research and knowledge in various intellectual fields.

The first objective of the new organization will be to develop and apply the new technique of microphotography to library, scholarly, scientific and other material.

Organized as a Delaware corporation "not for profit" but for educational, literary and scientific purposes, the new organization resulted from a meeting attended by delegates from national councils, societies, and other organizations in Washington on March 13.

The board of trustees elected consists of: Dr. Robert C. Binkley, Western Reserve University; Dr. Solon J. Buck, Director of Publications, National Archives; Watson Davis, Director, Science Service; Dr. James Thayer Gerould, Librarian, Princeton University Library; Dr. Ludwig Hektoen, Chairman, National Research Council.

Such a national organization was foreseen as an outcome of Science Service's documentation activities when they were begun in July 1935, implemented with grants from the Chemical Foundation and conducted with the cooperation of the U. S. Naval Medical School, the U. S. Department of Agriculture Library, the Bureau of the Census, the Works Progress Administration, the Library of Congress, and other agencies.

Bibliofilm Service has been conducted by Science Service in cooperation with the Library of the U. S. Department of Agriculture as a service to research workers, and auxiliary publication through microfilm has been conducted by cooperation with leading scholarly and scientific journals.

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THE BOTANICAL RECORDS OF BENJAMIN SMITH BARTON

"On the eve of the recent international flower show of the Garden Club of America, there was placed on exhibition at its rooms, 598 Madison Avenue, the botanical records of Benjamin Smith Barton, physician and botanist, who wrote the first American book on botany. This is the first time that his papers have been exhibited. There has been considerable mystery about them, the accepted belief being that they had been destroyed by the author. Dr. Barton graduated from the College of Philadelphia and then went abroad, to study at the University of Goettingen and Edinburgh. When he came back to the United States he was offered the chair of natural history and botany, at his alma mater, which he accepted. Dr. Barton, as a writer, was singularly exacting with himself, and on more than one occasion suppressed work of his after it had been printed. Students of botanical history have wondered about a reference in his works to a book 'The Prodromus of the States of New York, New Jersey, Pennsylvania, Delaware, Maryland and Virginia' because they never could find a copy. But among these papers - which were discovered in Montgomery Place, Annandale, N. Y. - proof sheets, printing bills, drawings and notes have appeared which all relate to the book. The printing order was for 500 copies; completed pages have come to light but bear marks of fire and the supposition is that the edition was destroyed. If 'Prodromus' had been completed and published it is believed that it would have been his greatest work." (Publishers' Weekly, March 20, 1937, p. 1350)

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PERIODICALS FOR THE SMALL BIO-MEDICAL AND CLINICAL LIBRARY

Extracts from an article by Judith Wallen Hunt

"Periodicals for the small bio-medical and clinical library", by Judith Wallen Hunt, Librarian of the Bio-Medical Libraries of the University of Chicago, is a valuable study which appeared in the Library Quarterly for January 1937, p. 121-140. The study was undertaken with a view of ascertaining which are the most important bio-chemical periodicals in terms of repeated use, in order to suggest a basic subscription list for the bio-medical library, and also a practical means of cooperation among such libraries. The Bio-Medical Libraries of the University of Chicago consist of the Biology Library, Frank Billings Medical Library, Ophthalmology Library, and Lying-in Library. The subscription list of these libraries is approximately 900 journals. In the article, statistics for the fiscal year 1934-35 are given for these periodicals showing the number of times the volumes, by five-year periods from 1901 through 1935, were requested for home use. At the conclusion of the article the author makes the following recommendations:

"As 85 percent of the periodical requests will be met if the library has available the back files of journals from 1921 to date, a primary goal for the smaller library would be to subscribe to as many as possible of those journals that are in greatest demand, as indicated by present trends, and to acquire the back files of these journals from 1921 to date. A secondary goal would be a still further increase in the subscription list, addition of the back files from 1921 to date of these new journals, and the acquisition of back files from 1901 to 1920 of the most popular journals initially acquired. A tertiary goal would be a still further increase in the subscription list and completion of the more important files from 1901 to date. Not until these goals had been attained would it seem advisable to acquire any back files dating before the turn of the century. Nor would it be justifiable to acquire rare journals of interest primarily to the historian and scholar.

"It has been said that a library fulfils its destiny in so far as it is able to meet the unusual as well as the usual needs of its patrons. But it must be conceded that a library must give precedence to the imperative needs of the many rather than to the superlative needs of the few. The smaller library, in particular, should pride itself, not on the distinction and rarity of its holdings, but on the effectiveness of its service.

"Cooperation, to be successful, must begin at the very outer periphery of a library's needs. Thus, as regards the rare journals which are needed only by the historian and scholar, it is in the interest of larger as well as smaller libraries to make selections with a view to making as many such items as possible available in a given region. For example, there is the list of early American medical journals compiled by Robinson⁽¹⁾, headed by the Medical repository (1797-1824). For a library to acquire the items on this list without first ascertaining their possible availability in neighbor libraries would be an unwise expenditure of funds. The same would be true as regards the list of seventeenth- and eighteenth-century scientific journals

(1) V. Robinson, "The early medical journals of America founded during the quarter-century 1797-1822," Medical Life XXXVI(1929), 553-85.

PERIODICALS FOR THE SMALL BIO-MEDICAL AND CLINICAL LIBRARY
(continued)

compiled by Garrison.⁽²⁾ Though these journals are of great historic significance, the reader requesting them would be willing to wait either until they could be secured through interlibrary loan, or until a micro-film or photoprint could be made of the desired article. He will be better served if several of these historic files are available in a given region than if duplicate files of one or two or them are closer at hand.

"Again this study shows that less than 3 percent of all requests were for journals published before 1900; that only 0.2 percent of all requests were for journals published prior to 1875. Here again is an opportunity for cooperation. The completion of back files of extant journals published before 1900 should be made with a view to making as many different publications as possible available in a given region. Duplication of infrequently used volumes is a needless dissipation of resources. Community cooperation between scientific libraries has been suggested by Kampmeier,⁽³⁾ Kricker,⁽⁴⁾ Ballard,⁽⁵⁾ and others. Certainly the pain is practical in so far as it refers to rare books and journals and to back files of extant journals published before 1900. But with regard to current subscriptions and the recent volumes of extant files the feasibility of cooperation is not so clear. In the case of highly specialized journals it would seem that cooperation in research projects would logically have to precede cooperation in the matter of subscriptions. Necessity may, however, speed greater cooperation and coordination of resources among libraries. For example, when it seemed inevitable that many libraries would have to cancel subscriptions to the high-priced German medical periodicals, the working plan was recommended by the Medical Library Association. Had not substantial reductions been obtained in the subscription prices of these journals, this cooperative measure would undoubtedly have gone into effect. The spirit of the times calls for cooperative endeavor, and the regional conception of library service is slowly replacing the local autonomous system."

(2) F. H. Garrison, "The medical and scientific periodicals of the 17th and 18th centuries," Bulletin Johns Hopkins Institute of History of Medicine, II(1934), 285-343.

(3) O. F. Kampmeier, "The problem of coordination of medical libraries in Chicago," Proceedings of the Institute of Medicine of Chicago, IX(1932), 122-28.

(4) G. Kricker, "Klinikbüchereien und Universitätsbibliotheken," Deutsche medizinische Wochenschrift, LVIII (1932), 1142-43.

(5) J. F. Ballard, "Co-operation and co-ordination in special library work," Bulletin Medical Library Association, n.s. XXIV (1936), 149-54.

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NOTICES AND ERRATA

Wanted: "List of Bulletins of the Agricultural Experiment Stations"

The Office of Experiment Stations is receiving requests from scientific institutions, libraries, experiment station and college works, for the following publications which are no longer in print:

List of Bulletins of the Agricultural Experiment Stations in the United States from their establishment to the end of 1920. (U. S. Dept. Agr. Dept. Bul. 1199)

List of Bulletins of the Agricultural Experiment Stations for the Calendar Years 1921 and 1922. (U. S. Dept. Agr. Dept. Bul. 1199, Sup. 1)

----- 1923 and 1924. (U. S. Dept. Agr. Dept. Bul. 1199, Sup. 2)

----- 1925 and 1926. (U. S. Dept. Agr. Dept. Bul. 1199, Sup. 3)

----- 1927 and 1928. (U. S. Dept. Agr. Misc. Pub. 65)

----- 1929 and 1930. (U. S. Dept. Agr. Misc. Pub. 128)

Abbreviations Employed in Experiment Station Record for Titles of Periodicals. (U. S. Dept. Agr. Dept. Bul. 1330)

It would be very much appreciated if libraries or individuals having copies of the foregoing publications that are no longer needed would return them to the Library, Office of Experiment Stations, U. S. Department of Agriculture, Washington, D. C.

Requests for Mimeographed Publications

When requesting mimeographed publications issued by the U. S. Department of Agriculture, be sure to designate issuing office or bureau and give complete citation. Title alone is not sufficient. Mention of the issue of Agricultural Library Notes in which the publication was listed will be very much appreciated.

Lost Book

The book listed below cannot be found. It will be appreciated if anyone having information in regard to it will notify the Loan Desk of the main Library:

Nobécourt, Pierre. Contribution à l'étude de l'immunité chez les végétaux. Ed. 2. 1928.

Errata

Vol.11, no. 11, November, 1936, p. 562. Bibliographies and Lists, U. S. Department of Agriculture, Bureau of plant industry. Publications relating to sugar cane investigations, 1931-1933, should read: Publications relating to sugar cane soil investigations, 1931-1933.

Vol.12, no. 1, January, 1937, p. 37, second item under Extension Service, call number should be 1.9 Ex6U instead of 1.9 Ex892Use.

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BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
D. C.

WANTED: NEWS ITEMS AND ARTICLES FOR "AGRICULTURAL LIBRARY NOTES"

(1) Articles bearing on agricultural library work. (2) comments on the various types of articles and lists now appearing in "Agricultural Library Notes", and (3) suggestions as to how "Agricultural Library Notes" may be made more useful, will be gratefully received.

Librarians of agricultural libraries and collections in the sciences pertaining to agriculture are also earnestly requested to send notes on bibliographies and bibliographical work in progress, on new developments affecting agricultural library work, on important accessions to their libraries, etc.

Mail contributions to Miss C. R. Barnett, Librarian, U. S. Department of Agriculture, Washington, D. C.

If "Agricultural Library Notes" is no longer desired, please notify the Library in order that your name may be removed from the mailing list.

USE THIS SHEET
and additional plain sheets if needed
(Write in single space)

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PRINCIPAL LIBRARY ACCESSIONS*

Accounting

- HECKERT, J. B. Accounting systems. New York, Ronald, 1936. 325 H352
McNALL, P. E., and McMURRY, K. F. Agricultural bookkeeping. New York, Longmans, Green, 1937. 30.6 M23

Agricultural machinery

- MISSISSIPPI VALLEY CONFERENCE ON FARM POWER, Greenville, Miss., 1936. Report.
By Doane agricultural service. St. Louis, Mo., 1936. Mimeographed. 58.9 M69

Agriculture, Agricultural education

- DAVIS, K. C. Modern productive farming. Ed. 7. Chicago, Lippincott, 1936.
302. D293 Ed.7
MURILLO, E. Cartilla de agricultura. Bogota, Imprenta nacional, 1934. 31.9 M94
NATIONAL FEDERATION OF YOUNG FARMERS' CLUBS. Young farmers. London [1936?]
10 N21Y
UNIVERSITY COLLEGE OF WALES, Aberystwyth. Survey of the work of the agricultural
departments. Aberystwyth, 1936. 103 Un324
WASHINGTON CO. (VT.) FARM BUREAU. Building farm life. Montpelier, Vt., 1936.
275.2 V592

Bacteriology, Microbiology

- FROBISHER, M. Fundamentals of bacteriology. Philadelphia, Saunders. 1937. 448.2
F924
INTERNATIONAL CONGRESS FOR MICROBIOLOGY. 2d, London, 1936. Report of proceedings.
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Biography

- ATKESON, T. C., and ATKESON, M. M. Pioneering in agriculture. New York, Orange
Judd, 1937. 120 At52
CHEMICAL WHO'S WHO. v. 2, 1937. New Haven, Haynes & George, 1937. 119 W6273
HERRIOTT, F. I. William Stebbins Barnard, professor of biology, Drake uni-
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Iowa, July, 1936. 120 B25H
PEARSON, T. G. Adventures in bird protection; an autobiography. New York,
Appleton-Century, 1937. 120 P31

*Requests which are sent to the library for items in this list should include the call number following the entry.

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Botany

- EMRICH, Z. Os nomes populares das plantas do Rio G. do Sul. Porto Alegre, 1935.
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- MOLISCH, H. Anatomie der pflanze. Ed. 4. Jena, Fischer, 1936. 463.4 M731 Ed.4.
- MONTEIRO FILHO, H. de C. Monographia das malvaceas brasileiras. fasc.1, pt.1.
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- WESTCOTT, C. The plant doctor. New York, Stokes, 1937. 464.4 W52
- WHITE, A. C., and SLOANE, B. L. The Stapelieae. Ed. 2. Pasadena,
Haselton, 1937. 452.3 W58 Ed.2

Cataloguing, Classification

- CAMERON, Mrs. G. K. E. List of subject headings used in the Library of the
Audubon sugar school, the Department of chemistry and the Institute of indus-
trial research, College of pure and applied science, Louisiana state university.
Baton Rouge, 1936. (Louisiana. University and agricultural and mechanical
college, Baton Rouge. School of library science series no.1) 243.9 L93 no.1
- HARVARD UNIVERSITY. GRADUATE SCHOOL OF BUSINESS ADMINISTRATION. BAKER LIBRARY.
A classification of business literature. New York, Wilson, 1937. Plano-
graphed. 243.1 H262C

Chemistry, Pharmacy

- BULL, H. B. The biochemistry of the lipids. New York, Wiley, 1937. 307 B87 1937.
- GEHE & co. Gehes codex der pharmazeutischen und organotherapeutischen spezial-
präparate. Ed. 7. Dresden, Schwarzeck, 1937. 396.4 G27 Ed.7
- LIMA E SILVA, L. de. Estudos sobre o curare. Rio de Janeiro, Departamento de
estatistica e publicidade (Ministerio do trabalho, industria e commercio) 1935.
396 L623
- VANINO, L. Handbuch der präparativen chemie. Ed.3. v.2. Stuttgart, Enke, 1937.
388 V31 Ed.3

Cooperation

- DIETRICH, J. H. The cooperative movement. Minneapolis, 1933. (Pamphlet no.2.
Midland cooperative wholesale) 280.2 D564
- DURAND, A. Le statut juridique et fiscal des coopératives agricoles de production,
de transformation et de vente. Paris, Domat-Montchrestien, 1936. 280.2 D93

Domestic animals

- JAHN, K. Karakul fur sheep breeding. Chicago, Union stock yards, 1937. 45 J26
- THOM, H. B. Die geskiedenis van die skaapboerdery in Suid-Afrika. Amsterdam,
Swets & Zeitlinger, 1936. 45 T36
- WORLD'S POULTRY CONGRESS. 8th, Berlin-Leipzig, 1936. Amtlicher führer. Berlin,
Pfenningstorff, 1936. 47.9 W896A

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Economics

- ASSOCIAZIONE FRA LE SOCIETÀ ITALIANE PER AZIONE. Fascist era, year XV. Rome, Fascist confederation of industrialists, 1937. 280.176 As7 1937
- CATOR, W. L. The economic position of the Chinese in the Netherlands Indies. Chicago, University of Chicago press, 1936. 280.1994 C29
- CUMMINGS, H. S., and McFARLAND, C. Federal justice. New York, Macmillan, 1937. 280.12 C91
- DEWD, J. Control in human societies. New York, Appleton-Century, 1936. (Century social science series) 280 D75
- GT. BRIT. MINISTRY OF LABOUR. Statement relating to special areas, including memorandum on financial resolution to be proposed. London, 1937. (Parliament. Papers by command. Cmd. 5386) 280.171 G797
- HYPES, J. L. Spotlights on the culture of India. Washington, Daylton, 1937. 280.182 H99
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- LIPPINCOTT, I. Sold out. New York, Appleton-Century, 1936. 280.12 L652
- MACDONALD, A. F. American city government and administration. New York, Crowell, 1936. (Crowell's social science series) 280.12 M142A Rev. ed.
- MANCHESTER, ENG. CHAMBER OF COMMERCE. Manchester makes; a review of industries, other than cotton, carried on in the great industrial area of south-east Lancashire and north-east Cheshire. Manchester, 1937. 280.171 M71
- MANCHURIA. DEPT. OF FOREIGN AFFAIRS. General survey of conditions in Manchoukuo. Hsinking, 1936. 280.184 M312 1936
- NANKAI UNIVERSITY. NANKAI INSTITUTE OF ECONOMICS. Nankai institute of economics: its history and work, 1927-1936. Tientsin, China. 1937. 280.9 N15N 1927-1936
- NEBRASKA. STATE CHILD WELFARE BUREAU. Nebraska survey of social resources. Lincoln, 1936. Mimeographed. 280.051 N272
- NORTH CAROLINA. DEPT. OF CONSERVATION AND DEVELOPMENT. DIVISION OF COMMERCE AND INDUSTRY. North Carolina: today and tomorrow. Comp. under the direction of T. S. Johnson. Raleigh, 1936. 280.063 N811
- PRINCETON UNIVERSITY. Princeton local government survey. Local government bulletin. v. 1, no. 4-5. Princeton, 1936-37. 284 P933L
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- TWENTIETH CENTURY FUND, inc. CORPORATION SURVEY COMMITTEE. Big business. New York, 1937. 280.12 T91
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- VOITINSKII, V. S. The labor supply of the United States. Washington, Committee on social security of the Social science research council, 1936. Processed. 283 V87
- YANO, T., and SHIRASAKI, K. Nippon; a charted survey of Japan, 1936. Tr. by Z. Tamotsu Iwadô. Tokyo, Kokusei-sha, 1936. 280.183 Y1 1936

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- ADAM, D. El dorado, la Guyane Française agricole. Paris, Lorese, 1936. 281.166
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- ARMSTRONG COLLEGE, Newcastle-upon-Tyne. DEPT. OF AGRICULTURE. An agricultural survey
of the northern province: the counties of Durham, Northumberland, Cumberland,
Westmorland, by J.A.Hanley and others. Newcastle upon Tyne, 1936. 281.171 Ar5
- BAYNE, M. C. The Dutchess county farmer. Poughkeepsie, The Women's city and
county club and Vassar college, 1936. (The Norrie fellowship report, 1935-
1936) 281.061 B34
- CARRET, J. Le nouveau régime des warrants agricoles. Besançon, Jacques &
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- DOANE AGRICULTURAL SERVICE. Texas as farm loan territory. St. Louis, Mo., 1937.
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- HALE, W. J. Prosperity beckons. Boston, Stratford, 1936. 281.12 H13
- NATIONAL COTTONSEED PRODUCTS ASSOCIATION, inc. Cottonseed and its products.
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- SOUTHERN CHEMURGIC CONFERENCE, Lafayette, La., 1936. Condensed proceedings.
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- WILLIAMS, J. L. B. An economic and social survey of Westmoreland county. Univer-
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Berlin. hft.4) 290 D48
- KANSAS. EMERGENCY RELIEF COMMITTEE. Preliminary rural electrification survey.
Ed. 2. Topeka, 1935. Lithographed. 335 K13 Ed.2
- WILSON, G. L., and others. Public utility industries. New York, McGraw-Hill,
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- FERRIS, G. F. Atlas of the scale insects of North America. Ser. 1. Stanford university, Calif., Stanford university press, 1937. 431.6 F41A
INDIA. INDIAN CENTRAL COTTON COMMITTEE. Spotted boll-worms in south Gujarat. Bombay, Times of India press, 1935. 430 In2S

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- BARBIER, G. Potasse et agronomie. Paris, Braun [1935?] 57.22 B23
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GUSTAFSON, A. F. Conservation of the soil. New York, McGraw-Hill, 1937. (McGraw-Hill publications in the agricultural and botanical sciences) 56.7 G97

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- ARMSTRONG COLLEGE, Newcastle-on-Tyne. DEPT. OF AGRICULTURE. The meadow hay crop, with special reference to its production on hill farms. Preliminary report on trials in Northumberland, by H. C. Pawson and A. R. Wannop. [Newcastle-upon-Tyne, 1936?] 60.1 Ar5
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SAKSHAUG, G. Beitedyrking. Oslo, Kgl. selskap for Norges vel, 1936. 60.1 Sa2

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BAKER, C. W., and NYE, W. F., jr. Something about turf. Milford, Conn., Woodruff, 1936. 97.6 B17
BARKSDALE, L. Some notes on orchids of the Piedmont and western North Carolina. Chapel Hill, N.C., Abernethy, 1936. 96.2 B24
GOLDSMITH, M. O. Friday-to-Monday gardening. New York, McGraw-Hill, 1937. 90.3 G57
HOARE, A. H. Vegetable crops for market. London, Lockwood, 1937. (Agricultural and horticultural handbooks) 91.13 H65
MASSEY, W. F. Massey's garden book for the southern states. Raleigh, Progressive farmer-ruralist company, 1936. 91.15 M38 1936

PRINCIPAL LIBRARY ACCESSIONS

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- MEISSE, Mrs. B. S. Modernistic flower arranging. New York, Orange Judd, 1937.
96.03 M47
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- HUNTER, W. N., and MCIVER, J. Underwear for 4-H club girls. (N. C. Agr. Col. Ext. Club Ser. 6.) State College Station, Raleigh, 1936.
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Results of a study made by a joint committee of the Clemson College Agricultural extension service, the South Carolina Experiment station, and the Soil conservation service of the United States Department of Agriculture.

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Brooding equipment for chicks. (Wash. State Col. Ext. Poultry Pointers no. 22.) Pullman, 1936.

Fowl pox. (Wash. State Col. Ext. Poultry Pointers no. 28.) Pullman, 1936.

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- Confectioners' union. London. Changed to Confectionery news and ice cream and soda fountain journal with v. 70, no. 5. Mar. 3, 1937.
- Dun & Bradstreet monthly review. New York. Changed to Dun's review with Feb. 1937.
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- Ecuador. Departamento de agricultura. Dirección de agricultura del litoral. Revista agropecuaria [Guayaquil] 2^o. il. ano. 1, no. 1, Nov. 1936. Free.
- Hortus. Edited by the Horticultural association of National central university, Nanking, China. mo. 4^o. il. vol. 1, no. 1, Dec. 1935.
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- Journal de chimie physique... et revue générale des colloïdes. Paris. Changed to Journal de chimie physique with tome 34, no. 1, Jan. 1934.
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- New Zealand farmer, stock and station journal. Auckland, N. Z. Changed to New Zealand farmer weekly with v. 58, no. 1, Mar. 3, 1937.
- El Organizador.agricola. P.O.Box 1491, Denver, Colo. mo. f^o. il. v. 1, no. 1, Sept. 1936. 25 cents a year. Publicado por el Comité nacional de trabajadores agrícolas y rurales.

NOTES ON PERIODICALS
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Providence. Dept. of milk inspection. Report of the Inspector of milk to the Board of aldermen. [Providence, R.I.] Changed to Providence. Milk dept. Quarterly report of the quality of milk sold in Providence by retail distributors, with the issue for the 1st quarter, 1936.

Revista de agricultura y comercio. Organo oficial de la Secretaría de estado de agricultura. Ciudad Trujillo, Republica Dominicana. Changed to Revista de agricultura with v. 27, no. 88, Jan. 1937.

Wyoming wild life magazine. State game and fish department. Cheyenne, Wyo. D. W. Greenburg, editor. P. O. Drawer 498. mo. 4^o. il. v. 1, no. 1/3, Jan./Mar. 1936. Free.

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Effective with the March 1, 1937, issue, a separate consisting of the first eight pages of "The Agricultural Situation" is being sent to crop reporters in place of the 8-page separate of statistics from "Crops and Markets" formerly sent to them. The separate, entitled "Special Edition for Crop Reporters", consists of timely commodity and other reviews, and will be carried also in the regular edition of "The Agricultural Situation." Commodity reviews carried in the periodical hereafter will be confined to the first eight pages, making available an increase in space for other articles. An effort is being made to obtain contributions from the staff of each division of the Bureau of Agricultural Economics.

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An announcement recently received regarding the Second International Congress of the Agricultural Press which is to be held at The Hague on June 15-16, 1937 (instead of in Paris on May 28 and 29 as previously announced), includes a circular regarding an International Repertory of the Agricultural Press. It states that at the time the International Federation of the Agricultural Press was established during the First International Congress of the Agricultural Press held in Brussels in 1935, it was decided to publish an "International Repertory of Agricultural Press", based upon the lists of agricultural periodicals which were presented at the Congress by Mr. Morales y Fraile, Agricultural Engineer, President of the Association of the Spanish Agricultural Press. The lists included 4,362 titles of agricultural periodicals belonging to 66 countries. The Repertory, which has now been completed, will contain for each country a list of all the periodical publications of an agricultural character, including the title, the year of foundation, the size, number of pages, price of subscription, periodicity, and an indication of the most important subjects dealt with by each periodical. The volume will also contain "a first statement or census of the agricultural journalists of the various countries, according to the information which it will be possible to collect before the convocation of the Second International Congress of the Agricultural Press in 1937." The work will be completed by a few chapters containing a statement of the activities of the International Federation of the Agricultural Press and of the national Associations and Committees now existing in some countries, and also the texts of the statutes and regulations of all these organizations. The volume will be written in French, Spanish, Italian, English and German. The price will not exceed the sum of fifty Italian Lire. The address of the International Federation of the Agricultural Press is via Regina Elena, 86, Rome, Italy.

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U. S. Department of Agriculture

Bureau of Agricultural Economics.

Printed publications issued by the Bureau of agricultural economics.

Washington, Apr. 1937. 23 p. Mimeographed. 1.9 Ec731Pu

Bureau of Agricultural Engineering.

Bibliography on land drainage. Comp. by D. W. Graf. 1936. 245p.

Issued by the Library. Mimeographed. 1.9 En32B1

Bureau of Dairy Industry.

List of publications of the Division of dairy research laboratories, July 1904 to June 1936. Washington, March 1937. 45 p. (Dairy library list 7) Mimeographed. 1.9 D149

Bureau of Entomology and Plant Quarantine.

Publications of the Division of truck crop and garden insect investigations, for the year 1936. 4 p. Mimeographed. 1.9 En863Pu

Extension service.

Etiquette and family relationships. A selected list of references to extension publications. Mar. 1937. 3 p. (Miscellaneous extension publication 35) Issued by Division of cooperative extension. Mimeographed. 1.9 Ex892Mi

School lunches, list of extension publications. April, 1937. 3 p. (Miscellaneous extension publication 36) Issued by Division of cooperative extension) Mimeographed. 1.9 Ex892Mi

Miscellaneous

Baker, Mary E. Tennessee serials, together with the holdings of Tennessee libraries. A tentative list prepared with the assistance of members of the Tennessee Library Association. By Mary E. Baker, Librarian, University of Tennessee. Knoxville, 1937. 57 p.

Preface: "In 1929, members of the Tennessee Library Association made a study of the H. W. Wilson Union List of Serials with a view to determine the extent to which Tennessee imprints contained in it were represented in Tennessee Libraries. The results of this study, together with a number of additional titles, were reported to the Association at its annual meeting and proved so interesting that it was determined to continue the search for titles and for representative files, and to make the resultant bibliography as complete as possible. A list of the holdings of growing libraries can never be final. The most which can be said of this compilation is that an effort has been made to assemble the greatest possible number of titles, to supply accurate imprint data and to list the holdings of Tennessee libraries, so far as the catalogs of these libraries have covered them. Items not within the scope of the Wilson list have been included when a knowledge of them, and of the location of files, has seemed of sufficient interest to Tennessee libraries."

Of the 107 agricultural serials included in the list, 63 are not listed as being contained in any of the Tennessee libraries whose holdings are included in the list.

BIBLIOGRAPHIES AND LISTS

Miscellaneous (continued)

- Bibliography of poultry diseases. Compiled by laboratory workers in Pullorum disease control. Issued semi-annually at New Jersey agricultural experiment station and Rutgers college. v. 2, no. 1, April 1937. 16 p. 241 B473
- Dartmouth college. Amos Tuck school of administration and finance. A reading list on business administration. Third revision, June 1, 1936. Ann Arbor, Edwards, 1937. 62 p. Lithoprinted. 241.3 D25 Ed.3
- Gourley, J. E. Regional American cookery, 1884-1934. A list of works on the subject. New York, Public Library, 1936. 36 p.
Originally appeared in the Bulletin of the New York Public Library.
- London. Science Museum. The dry disinfection of seed, 1930-36. 1937. 17 p. Science library bibliographical series no. 286. 241.5 L842
- Select list of papers bearing on grassland establishment, management and improvement in the British Isles, 1930-36. 1936. 10 p. Science library bibliographical series no. 280. 241.5 L842
- The use of aeroplanes in the control of pests. 1936. 16 p. Science library bibliographical series no. 278. 241.5 L842
- Massachusetts. State planning board. Library. Bibliography [on planning] Boston, 1936. 43 p. Mimeographed. 280.7 M383
- Ohio library association. College and university section. Regional list of serials in the college and university libraries in Ohio. Ann Arbor, Edwards, 1936. 205 p. Lithoprinted. 241.9 Oh3
- Smith, D., comp. Union list of serials in Maine libraries. Orono, Me., 1937. 257 p. (University of Maine studies. 2d ser. no.40) 241.9 Sm5
- U. S. Bureau of foreign and domestic commerce. Condensed list of sources of information on air conditioning. Washington, 1937. 26 p. Issued by the Electrical division. Processed. 157.55 C75
- Weiner, G., and Paige, R. M.. Surveys of the administrative reorganization of state governments; a bibliography. [Chicago? Governmental research association? 1936?] 7 p. Mimeographed. 241.3 W43

Mr. Z. P. Metcalf, Entomologist of the North Carolina Experiment Station, is preparing a bibliography of the Homoptera. This will consist of about six thousand titles with an elaborate system of cross references which will enable anyone to find the important literature dealing with any subject pertaining to this order of insects with a minimum of difficulty and a minimum waste of time. It is hoped that this bibliography will be published early in the fall.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during April 1937, exclusive of Bibliographies*
and current issues of serials.**

Office of the Secretary

Agricultural and industrial prosperity - both or neither. Address by H. L. Brown, Assistant secretary of agriculture, at the joint meeting of civic and farm leaders, Birmingham, Ala., April 21, 1937. 11 p. 1.9 Ag8640

American agriculture, yesterday, today, and tomorrow, by H. L. Brown, Assistant secretary of agriculture. Meeting of farmers, county and home demonstration agents and teachers of vocational agriculture, Cordele, Ga., April 22, 1937. 8 p. 1.9 Ag8640

An American policy on imports. Address of Henry A. Wallace before National council of American importers and traders, inc., New York city, April 29, 1937. 11 p. 1.9 Ag8636

Cotton growers' programs and the textile worker. Remarks of Henry A. Wallace, Secretary of agriculture, before the World textile conference, Washington, D. C., April 12, 1937. 9 p. 1.9 Ag8636

Economic democracy in action. Remarks of Henry A. Wallace, broadcast in National farm and home hour, April 20, 1937. 5 p. 1.9 Ag8636

Farm and factory; the dawn of group mortality. Address by Henry A. Wallace before Society for ethical culture, New York city, April 18, 1937. 17 p. 1.9 Ag8636

Insects and plant diseases. Remarks by Henry A. Wallace, Secretary of agriculture in the National farm and home hour, Washington, April 6, 1937. 4 p. 1.9 Ag8636

The problem of balance in modern civilization. Address by Secretary Wallace before the Economic club of New York, February 3, 1937. 16 p. 1.9 Ag8636

Salute to the Civilian conservation crops. A radio talk by H. L. Brown, Assistant secretary of agriculture. Apr. 2, 1937. 3 p. 1.9 Ag8640

Sand on the march. Remarks of Henry A. Wallace broadcast in National farm and home hour. April 27, 1937. 5 p. 1.9 Ag8636

The Weather bureau. Remarks by Henry A. Wallace. National farm and home hour, April 13, 1937. 4 p. 1.9 Ag8636

Agricultural Adjustment Administration

Next steps in county planning and program development. April 15, 1937. 3 p. Issued by Program planning division. 1.94 Ad472Ne

* Bibliographies included in general list of bibliographies on page 257
** For a list of the principal series issued regularly, see v.9, no. 10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration (continued)

Relation of food prices to earnings of employed industrial workers and to recovery. Washington, March 1937. 12 p. Issued by Program planning division, Agricultural-industrial relations section. 1.94 Ad472Rel

Bureau of Agricultural Economics

Hogs in Belgian agriculture. By H. E. Reed. Washington, 1937. 12 p. (F.S.-68) 1.9 Ec752

Market news radio broadcasting schedule for 1937. Washington, 1937. 46 p. 1.9 Ec731M

Price spreads between the farmer and the consumer. Statistical supplement bringing up to date the tablets contained in the mimeographed report of July 1936. By R. O. Been and F. V. Waugh. Washington, April, 1937. 17 p. 1.9 Ec754P

Quality of Texas cotton, crops of 1928-35. By C. B. Lanham and others. Washington, March 1937. 61 p. In cooperation with the Texas Agricultural experiment station. 1.9 Ec733Qt

Bureau of Biological Survey

Work of the Biological survey during the past year and plans for the future. Address by Dr. I.N. Gabrielson before the National wildlife conference, St. Louis, Mo., Mar. 4, 1937. 11 p. 1.9 B52A

Sanitation in domestic rabbitries. By F. D. McKenney. 1937. 4 p. (Wildlife research and management leaflet BS-86) Issued by the Section of disease control, Division of wildlife research) 1.9 B524W

Self-feeding system for market rabbits. By G. S. Templeton. 1937. 9 p. (Wildlife research and management leaflet BS-85) Issued by the Section of fur resources, Division of wildlife research) 1.9 B524W

Some accomplishments of the cooperative research units. A summary to January 31, 1937. By H. H. T. Jackson. 1937. 10 p. (Wildlife research and management leaflet BS-87) Issued by the Section of wildlife surveys, Division of wildlife research. 1.9 B524W

Bureau of Chemistry and Soils

Resin lost in chips, rock dross and batting dross. By G. P. Shingle and others. [Washington, 1937?] 4 p. Issued by Naval stores research division. 1.9 C4929Ro

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Bureau of Entomology and Plant Quarantine

Recommendations for the control of insects attacking certain vegetables, small fruits, and tobacco. By W. H. White. Issued April, 1936; revised March 1937. 14 p. (E-376 revised) 1.9 En86Re

Extension Service

Contour furrows. Prepared by G. C. Fuller. March, 1937. 6 p. (Lecture notes for film-strip series no. 438) Issued by Division of cooperative extension. 1.9 Ex892La

Developing home industries; craftwork with native materials. Prepared by O. P. Malcolm. February, 1937. 5 p. (Film-strip series no. 294) Issued by Division of cooperative extension. 1.9 Ex892La

Erosion control in the North Atlantic states. Prepared by J. A. Bonsteel, March, 1937. 6 p. (Lecture notes for film-strip series no. 426) Issued by Division of cooperative extension. 1.9 Ex892La

Erosion control on the northern Great plains. Prepared by F. B. Harper. March, 1937. 7 p. (Lecture notes for film-strip series no. 425) Issued by Division of cooperative extension. 1.9 Ex892La

The extension agent's position in the newer programs. By H. W. Hochbaum. 1937. 6 p. (Extension service circular 259) 1.9 Ex892Esc

Facts to consider in developing an extension plan. By M. P. Jones. 1937. 4 p. Presented at Annual meeting of North Central states entomologists, Kansas City, Mo., March 4, 1937. 1.9 Ex892Fco

Historic rural homes. Prepared by B. Gericke. December, 1936. 9 p. (Lecture notes for film-strip series no. 334) Issued by Division of cooperative extension. 1.9 Ex892La

How may we readjust our programs and improve extension methods in order to influence more people? By E. A. Flansburgh. 1937. 7 p. Presented at Regional conference of extension supervisors and directors, New York city, February 25-27, 1937. Issued by Division of cooperative extension. 1.9 Ex892Cd

Summary of outlines submitted in connection with the county planning activities of the Extension service in the Northeastern states 1936-37. 1937. 20 p. 1.9 Ex892Summ

Forest Service

Dull chipping tools cause fifteen per cent loss in gum yield. By T. E. Pease. 1937. 3 p. (Occasional paper no. 60) Issued by Southern Forest experiment station, New Orleans, La. 1.9 F76240

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (continued)

- Forest statistics for Ferry county, Washington, from the inventory phase of the forest survey. 1937. 9 p. Issued by Pacific northwest forest experiment station, Portland, Ore. 1.9 F7629Fsta
- Instructions for range surveys on national forests. 1937. Approved March 30, 1937. Washington, 1937. 26 p. 1.9 F76Inst
- Rating forest fire danger. By J. A. Mitchell. 1937. 7 p. Paper read before the Forestry section of the Michigan academy of science at Ann Arbor, Michigan, March 19, 1937. Issued by Lake States forest experiment station, St. Paul, Minn. 1.9 F7625Rf
- Report on forest restoration in Missouri. A forest research program, by W. M. Baker, Director. [1937?] 7 p. Issued by Central states forest experiment station, Columbus, Ohio. 1.9 F76252R

Bureau of Plant Industry

- Preliminary estimates of crop losses 1936. The Plant disease survey. Division of mycology and disease survey. Washington, April 15, 1937. 12 p. 1.9 P6916P
- Quality studies of wheat varieties grown in the western region in 1935. Washington, D. C., April, 1937. 24 p. In cooperation with the Bureau of agricultural economics. 1.9 P6917Qu

Resettlement Administration

- An approach to area land use planning (with particular reference to technique and procedure) by M. H. Saunderson and others. 1937. 60 p. (Land use planning publication no. 16) Issued by Land use planning section, Division of land utilization, in cooperation with the Montana Agricultural experiment station. 1.95 L224 no.16
- General framework of law and procedure within which local governments operate in Montana (Background study to accompany 18-a) By J. J. Haggerty. Washington, April, 1937. 27 p. (Land use planning publication no. 18-b) 1.95 L224 no. 18-b
- Public finance aspects of the Milk river land acquisition project (LA-MT-2) Phillips county, Montana. By J. J. Haggerty. Washington, April, 1937. 96 p. (Land use planning publication no. 18-a) 1.95 L224 no. 18-a

Soil Conservation Service

- Relation of soil conservation to control of floods and silting. Address by H. E. Bennett before National rivers and harbors congress, Washington, April 26, 1937. 11 p. 1.96 Ad62

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COMMUNICATION OF THE INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS - IV.

By Dr. Sigmund von Frauendorfer, Secretary

Since the last communication, another colleague has been invited and has accepted the invitation to become a member of the Committee, namely, Dr. F. Prinzhorn, Librarian of the Technical High School, Danzig. On the other hand, the representative of Great Britain, Mr. Cecil H. Hooper, Librarian of the South Eastern Agricultural College, Wye (Ashford), Kent, has informed us that he is compelled to resign from his post as a member of our Committee, having retired from his present position after thirty years of service. The Committee loses with him a faithful collaborator who has always, from the beginning of our Committee's activity, showed great interest in its work. I wish to thank Mr. Hooper, on this occasion, for his collaboration and interest.

The President of our Committee has submitted a tentative draft of Statutes which follows hereunder in its original text:

NAME

International Committee of Agricultural Librarians.

OBJECT

The object of the Committee is to promote the interest of agricultural libraries throughout the world and to further cooperation among agricultural librarians.

AFFILIATIONS

The Committee shall work in cooperation with the "Fédération Internationale des Techniciens agronomes" and with the "International Federation of Library Associations".

OFFICERS

The officers of the Committee shall be a President, Vice-President, and Secretary-Treasurer. They shall hold office for one year or until their successors have been elected.

EXECUTIVE BOARD

The Executive Board shall consist of the President, Vice-President, Secretary-Treasurer, and two other members elected by the Committee.

MEMBERSHIP

Representatives of one or two agricultural libraries or agricultural organizations in each country may become members upon invitation and payment of annual dues.

DUES

The annual dues shall be 0.50 swiss francs.

MEETINGS

Annual meetings shall be held at the time and place named by the Executive Board, which shall have power to call such other meetings as may be necessary.

QUORUM

Five members shall constitute a quorum.

VACANCIES

The Executive Board shall have power to fill all vacancies.

AMENDMENTS

These statutes may be amended by a three-fifths vote of those present and voting at any meeting of the Committee. Notice of proposed amendments shall be sent to each member of the Committee at least two months before adoption.

COMMUNICATION OF THE INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS - IV.
(continued)

The members of the Committee are requested to study this draft and to form and communicate their opinion about it to the Secretary of the Committee before the first of July 1937.

These Statutes will be discussed and, should it be advisable, adopted on the occasion of the next meeting of our Committee, which will take place at Paris, August 15, 1937, just before the inauguration of the World Congress for Universal Documentation. Information regarding this Congress may be obtained from Mr. Jean Gérard, Président de l'Union française des Organismes de Documentation, 28, Rue Saint-Dominique, Paris (7e).

Those members who have not yet paid their dues (1 Swiss franc for both 1936 and 1937) are kindly requested to do so as soon as possible, since the Secretary has already advanced and forwarded the total sum to the International Federation of Library Associations in Geneva.

The Report on the origin, the program and the activity of the International Committee of Agricultural Librarians, which was presented by the Secretary on the occasion of the 9th session of the International Committee of Librarians at Warsaw (May 31-June 2, 1936), has been printed and incorporated in the "Actes" of the said Committee (La Haye, Nijhoff, 1936, p. 186-190).

As a result of the decisions reached at Warsaw, the International Federation of Library Associations has dealt with two important questions, which present also a certain interest for our Committee. One is the problem of organization of international loans and the other the unification of international library statistics. Even if most of the members should be informed directly by their national professional organizations, it appears advisable also, on behalf of our Committee, to stress the importance of an international agreement on these vital questions, which are likely to interest the librarians of all nations and all kinds of libraries. The International Federation of Library Associations has placed at our disposal copies of the regulations on the international loan, which have been forwarded to all our members. The members are invited to study these documents, which deal with questions of vital importance for international library collaboration.

The list of current agricultural bibliographies, on which several members of the Committee have kindly collaborated and which may be considered as the first visible result of our Committee's activity, was published in January 1937 by the International Institute of Agriculture under the title "Survey of current bibliographies on agriculture and allied subjects." The primary compilation of this bibliography is the work of Mr. Victor A. Schaefer, exchange librarian from 1935 to 1936 at the Library of the International Institute of Agriculture by courtesy of the Rockefeller Foundation, and at present Librarian of St. Thomas College, Scranton, Pennsylvania. The final preparation and revision was carried out by the Secretary of the Committee, who was assisted by several members of the Library which he directs. This publication has been forwarded gratuitously to the members of the Committee, with the exception of those who have not as yet paid their dues.

Another publication which will also be of much interest to the members of our Committee is a list of all the agricultural libraries throughout the world, now in course of preparation. The questionnaires which were sent to the various countries and many libraries have given very complete and useful information. Mrs. Camerani-Teodorova, "Redactrice" in the Library of the

COMMUNICATION OF THE INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS - IV.
(continued)

International Institute of Agriculture, has been entrusted with the compilation of this publication. We hope to finish it by the end of this year.

With the object of enlarging gradually the circle of collaborators, the Secretary of the Committee, after an exchange of views with the President, is taking steps to invite for collaboration the agricultural librarians of some other countries which, until the present time, have not been represented on our Committee. At present the following countries are under consideration: Belgium, Hungary, Japan, and Switzerland.

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THE LAND GRANT COLLEGE IN SOUTH DAKOTA: ITS FIELD OF WORK
A Court Record with Supporting Notes

The U. S. Department of Agriculture Library has received from Dr. Charles W. Fugsley, President of the South Dakota State College, a valuable document in typed form, entitled "The Land Grant College in South Dakota: Its Field of Work. A Court Record with Supporting Notes". The volume was compiled by Dr. Fugsley who, in the following statement taken from the preface, explained how the record happened to be prepared:

"In 1931 the State Senate passed a resolution asking the Regents of Education of South Dakota to make an investigation and report as to the possibility of consolidation and avoidance of duplication in the work of the institutions of higher learning in the state. The Regents reported to the 1933 Legislature, and in March, 1933, took action discontinuing certain courses at the University of South Dakota, South Dakota State College, and the School of Mines.

Alumni and friends of the University brought suit before the Supreme Court of South Dakota, questioning the legal right of the Regents to discontinue the work at the University, and asking that certain courses at the State College and School of Mines be discontinued. The Court rendered its decision on September 9, 1933, which was unanimous for the defense.

Assistance was given to the attorneys for the defense by a number of people connected with State College, and in this preparation a great deal of material was collected.

It seemed to me that the records of this court action and the most important material collected should be preserved and put in form for possible use. I have therefore made an effort to accomplish this purpose in this typed volume. Five copies have been made, and one placed in each of the following libraries: Lincoln Memorial Library of South Dakota State College; Congressional Library, Washington, D. C.; the Library of the United States Department of Agriculture, Washington, D. C.; the Library of the Supreme Court, Pierre, South Dakota; and the State Library, Pierre, South Dakota.

This record is in two parts. Part I contains copies of the documents which were presented to and considered by the Court, and the Opinion of the Supreme Court. Part II contains some of the material of historical interest and value, much of which was used by the Attorneys for the defense."

Part I contains 361 pages and part II, 152 pages.

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AGRICULTURAL LIBRARIES SECTION MEETING

American Library Association

Tuesday, June 22, 1937, 2:30 p.m.

Program

Extension of Rural Library Service

The present status of library service in rural communities and its relation to other phases of library extension. Louis R. Wilson, Dean, Graduate Library School, University of Chicago.

The relationship of the land grant college and the land grant college library to rural library extension. Charles D. Friley, President, Iowa State College; Charles E. Brown, Librarian, Iowa State College, Ames.

General library extension in rural communities. Sarah Askew, Secretary, New Jersey Library Commission, Trenton.

Cooperation between the extension work of the U. S. Department of Agriculture and library extension agencies. Madge J. Reese, Extension Service, U. S. Department of Agriculture.

Tomorrow's rural libraries. Mary U. Rothrock, Supervisor of Libraries, Tennessee Valley Authority, Knoxville.

Discussion - Claribel R. Barnett, Librarian, U. S. Department of Agriculture, and others.

Chairman: Rudolph Gjelsness, Librarian, University of Arizona.

Secretary: Janice S. Brown, Bureau of Plant Industry Library, U. S. Department of Agriculture.

AGRICULTURAL LIBRARIES HANDBOOK

At the meeting of the Agricultural Libraries Section on June 22, 1937, Miss A. Elizabeth Beal, Chairman of the Committee to Study the Need for a Handbook or Manual for Agricultural Libraries, will present a preliminary report.

Miss Beal is desirous of receiving comments from the agricultural librarians, first, as to the need for such a handbook, and second, as to the kind of information it should include if a handbook is desired.

An expression of opinion is also desired as to whether such a handbook should be prepared for the use of librarians or for the more general use of all who are seeking bibliographical information about current agricultural literature.

Suggestions should be sent to Miss A. Elizabeth Beal, Librarian, Agricultural Library, Pennsylvania State College, State College, Pennsylvania.

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BIBLIOGRUMBLINGS (OPUS V)

By C. J. Gollledge

[This article, with a few omissions, is copied from The Entomologist (London) for April 1937, vol. 70, no. 887, p. 76-80. The author describes it as "A desperate contribution from a distracted sufferer from the ineptitude of editors and the villainy of authors." In a footnote he kindly explains that "Bibliogrumblings" has nothing to do with grumbling. Rumble he gives as slang, meaning "to discover, detect, fathom." In another footnote he gives citations to the places of publication of Opus I to IV but since the Editor of Agricultural Library Notes has not been able to verify the references, it has seemed wise to omit them, particularly as the author further on in his article says "The bete noire, of course, is he who quotes other writers' references without checking them." After his name the author gives the initials F.R.E.S. and M.S.B.N.H., which the Editor of Agricultural Library Notes has interpreted to mean Fellow of the Royal Entomological Society and Member of the Society for the Bibliography of Natural History, but here again the references could not be verified. Although the author in no place confesses to being a librarian. It is known that he was Librarian of the Imperial Institute of Entomology, London, in 1932. It is certain that all librarians will agree with him and be grateful to him for calling attention with such poignancy to some of the bibliographical sins from which libraries have to suffer. The article follows.]

"Of a peculiar people.

To many editors and publishers the points stressed in these notes will probably be considered unimportant; others will possibly burble, "Of course, this is just common sense", blissfully unaware that their publications contain some of the most glaring examples of the irregularities against which librarians constantly chafe. Superbiologists and even systematists often decry librarians and bibliographers as a peculiar people, without asking themselves the reason for the eccentricities engendered by toil in a library, or by wrestling with authors' lists of (alleged) references. Therefore let them (the editors and publishers) take heed of some of these murmurings, or else--

"Cry Havoc and let slip the dogs of war"--.

"Of journals.

Variety is the spice of life, and, therefore, the several variations and shortcomings in the form and make-up of many periodicals should make the librarian a very cheery being. But alas, there is a cloying surfeit of it all. For instance, there are those delectable journals whose editors deem it necessary to change the format just about five-sixths of the way through the volume. Three or four hundred pages of ABC or of Annals and Mag. size have appeared, but the decree has gone forth that the column must be lengthened or the plates made larger; so the nice fat little fellows on the shelf have for their neighbor an emaciated streak of a volume about three times as tall. And then the

BIBLIOGRUMBELINGS (OPUS V)
(continued)

series usually comes to an end! Of course the resultant yawning space above the shorter volumes (provided the tops have been regularly dusted) may take hat, stick and gloves, one's lacrosse crosse, or even the library assistant's knitting. Another alternative, but one much less practiced, is to lose the volume, or to present it to another library, preferably near at hand--just in case!

Much has been written (and still more left unwritten) about the laudable practice of paging the index of one volume plumb in the middle of the text of some subsequent issue. After careful cogitation I have concluded that this is a very cunning trap to lure the unsuspecting librarian into the purchase of an extra copy of the part containing the index. It is also strange, but many such journals often manage to publish themselves in three or four places simultaneously, presumably with a responsible editor in each. Possibly each contributes a page of the index!

Of the editorial games that may be played with series, volumes, parts, numbers and the like, there is legion. Two gems of contemporary periodical literature that have recently passed through my hands illustrate this. One, a Monthly Bulletin, issued the first number of a given volume and dated it January; but the next number was paged-on and styled Nos. 4-5-6, and was dated April-May-June. Query, was the first one to be reckoned as Nos. 1-3? Not a bit of it, for number three (spelt out) with the Monthly dropped from the title appeared dated July-Aug.-Sept.! Confusion in citation was happily prevented by the volume being continuously paged, but not so with the other journal, also a monthly. No. 1 appeared in July and another No. 1 (separately paged) in August. We then hoped that the matter would be put right by styling the September issue No. 3. But no, it was issued as No. 2 and October as No. 3 and so on. I wonder how many libraries relying on the entry of their accession card have discarded the August issue as a duplicate. This very interesting production is also guilty of paging-in its advertisement material, and another of its contemporaries (a journal containing descriptions of new species) has text and advertisements together with cooking hints on the same page, resulting in quite a short paper spreading over several pages.

And then there are those journals which terminate a given part bang in the middle of a description, or of what Westwood said in 1840, or half-way through that very important list of references you had been awaiting since last Michaelmas twelvemonth. All very trying.

Titles, too--these should be as short as possible. Auk, Ibis, Eos, Psyche, Stylops, Iris, Nature, Science, Lancet, here are nine titles that together occupy less space than either Journal of the Society for the Bibliography of Natural History or Transactions of the Royal Society of Tropical Medicine and Hygiene. It may be inevitable that societies, institutions, etc., have lengthy designations; these are the very ones that should select a short title for the purposes of bibliographic citation--the Journal of the, etc., or Transactions, etc., might well follow as a subtitle. Besides saving much space in bibliog-

BIBLIOGRUMBLINGS (OPUS V)
(continued)

raphies, an added advantage would be much quicker reference in such works as the World List, where there is a veritable glut of Bulletins, Journals, Reports, Transactions and the like. Another practice often resulting in a mass of unbound material being left on the shelf for an indefinite period is the cessation of publication, or the merging with another, without notice indicating the issue with which the cessation or consolidation becomes effective.

"Of dates.

It is with a due sense of awe (and exasperation) that I venture to mention this subject...My lively interest, however, has been aroused by the many places editors select to date their publications. Very cunning is the idea of one date on the wrapper, another on the last page of the text, and yet another issued with the title-page and index. Some generous editors print one date at the head of the wrapper and another at the foot. I suppose such wrappers are printed in two halves and then mashed together.

"Of dementia periodica.

Another journal regularly bears a date on the wrapper, but (oh, marvellous idea!) at the commencement of each paper there is a footnote: "Received for publication 18.v.36; issued 20.xii.36." Now this latter date is later than the one on the wrapper, so probably the wretched journal issues itself inside out. Demented and distraught it parts company with its editor, numbers itself with those proceeding to London, enters itself as (very) second-class matter, defasciculates itself and turns up, neatly wrapped at the office of Nifferg & Co. The partners gather round, sad faced but smiling bibliographically. Each eyes the packet and the others alternately, eagerly awaiting the inevitable dactyliferous discussion.

From publications with dates to spare we pass to those with no dates at all. The chief offenders amongst these are the reports of meetings or conferences which only bear the date of the meeting. As, however, the librarian usually does not receive his copy until two years later, he either has to invent a date of issue, or enter into correspondence with some official (if not by then deceased) as to the real date of issue. This is hardly simplified by the conference often being an ambulatory one with a new local secretary-editor for each meeting.

However, just as the economic entomologist dare not kill off all the insects for fear of putting his colleagues out of work, so must our dear friends the editors be allowed to pursue their wayward paths, or the indefatigable Sheffins will have no material for lists of dates and other fruits of mis-editing. On with the dance! Click-tap-clickety click the typewriters.

BIBLIOGRUMBLINGS (OPUS V)
(continued)

"Of authors.

"The description of persons who have the fewest ideas of all others are mere authors and readers. . . The learned author differs from the learned student in this, that the one transcribes what the other reads. The learned are mere literary drudges" (Hazlitt).

The bete noire, of course, is he who quotes other writers' references without checking them.

[Much matter of a libellous nature deleted.--Ed.]

Thanks to the necessity for using catalogues, bibliographies, etc., there is a growing appreciation amongst biological writers of the importance of accuracy in references. Unfortunately this does not apply to some of the younger school, who seem to regard a list of references as something that can be thumped out on a typewriter in no time; some of them do not even attempt to conform to the style of entry adopted by the journal to which they offer their MS.

Amongst some of those of a more mature experience there is a curious affectation regarding initials, which is a nuisance, and may lead to their works being overlooked by the library assistant, who cannot be expected to associate authors' names with this or that group of organisms, or to remember their idiosyncrasies regarding initials. I refer to the author who publishes several papers as, say, B. G. Wilkins. Suddenly he decides that his second name -Gregory- sounds more to his taste and he henceforth publishes as Gregory Wilkins. Students using his work quote him as G. Wilkins, and sooner or later the newly-appointed library assistant is asked for a paper by such an author. Now in the catalogue there is half a drawer, or 500 cards, of Wilkins's of various ilk. It is of no use the inquirer saying testily, when asked for initials, "Oh, the one that writes on so and so", because the Wilkins cards are arranged by initials. One sometimes feels like referring such individuals to the Zoological Record or some other subject-index in order that the correct initials may be ascertained. Even here he may be listed as G. Wilkins. Dear, dear, dear! We know all about cross-references, but why, oh why did he not make up his mind about Gregory before?

Then there is the scientific author who polishes his style--at the expense of clarity and accuracy; his editor is carried away by his eloquence, and in goes the sonorous ambiguity. Pity the wretched abstractor or research worker who can perhaps quite easily interpret two or three contradictory meanings.

And so dear, patient, natural history bibliographer, if you have endured thus far, and "like as not feel to breaking my head", permit me to bid you an humble and affectionate farewell and leave you to David Hume: ". . . the excess of refinement [in writing] is now more to be guarded against than ever; because it is the extreme, which men are the most apt to fall into, after learning has made some progress, and after eminent writers have appeared in every species of composition."

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THE LITERATURE OF SOIL SCIENCE AND ITS USE

A review of a chapter from "An Introduction to the Scientific Study of the Soil," by Norman M. Comber*

"The Literature of Soil Science and Its Use" is the last chapter of the book mentioned above. The author is professor of agricultural chemistry and head of the Department of Agriculture in the University of Leeds, England. Professor Comber explains in the preface that the book itself "is essentially a communication from a teacher to students and is written to give the general agricultural and horticultural student a concise account of the science of the soil". He modestly adds: "It is gratifying to know, however, that the former editions have been of some service to botanists, ecologists, and others besides agricultural students." He has put the chapter on the literature of soil science at the last not, he says, because it is most appropriate to deal with it at the end of the lecture course, but in order to preserve the sequence of the other chapters. The purpose of the chapter is explained in the opening statement.

"The general student of agriculture, who necessarily pursues a course of study in the science of the soil, should acquire three things from that course. First, a general knowledge and understanding of soil science as it is viewed at the time of his course of study; second, a competence to acquire more detailed knowledge of any special part of the subject that may for any reason become his special - even though temporary - concern; third, a competence to follow intelligently the future development of the subject. He must therefore know something of the literature. Naturally the specialist will have a more detailed knowledge of the literature of his speciality, but the agriculturist should 'know his way about' this literature. This chapter is an effort to direct him, although perhaps not to guide him."

Professor Comber discusses briefly the following ten important books on soils: The Soil, by Sir A. Daniel Hall; Soil Conditions and Plant Growth, by Sir E. John Russell; Physics of Agriculture, by F. H. King; The Physical Properties of the Soil, by B. A. Keen; Principles of Soil Microbiology, by S. A. Waksman; Soils. Their Origin, Constitution and Classification, by G. W. Robinson; Humus, by S. A. Waksman; Colloids in Agriculture, by C. E. Marshall; Soil Analysis: A Handbook of Physical and Chemical Methods, by C. H. Wright; and Pedology, by J. S. Joffe.

He next takes up the following journals, reports, etc.; Internationale Mitteilungen für Bodenkunde. Proceedings of the International Society of Soil Science; The Journal of Agricultural Science; Soil Science; The Journal of Agricultural Research; and Die Landwirtschaftlichen Versuchsstationen. In addition he names a few journals of general scientific societies which frequently contain noteworthy soil papers, such as the Proceedings of the Royal Society, The Journal of the Society of Chemical Industry, and The Faraday Society Transactions.

In his next chapter he discusses abstracts, résunés, etc. in which class he includes the Annual Reports of the London Chemical Society; Experiment Station Record; Chemical Abstracts; British Chemical Abstracts;

*An Introduction to the Scientific Study of the Soil, by Norman M. Comber, Professor of Agricultural Chemistry and Head of the Department of Agriculture in the University of Leeds. 3d ed. London, Edward Arnold & Co., 1936.

THE LITERATURE OF SOIL SCIENCE AND ITS USE
(continued)

Jahresberichte für Agrikultur Chemie; Physiological Abstracts and Botanical Abstracts. Among the agricultural periodicals which frequently contain resumes of soil investigations and abstracts of recent papers, he mentions: The Journal of the Ministry of Agriculture and Fisheries; The Scottish Journal of Agriculture; The Proceedings of the Royal Agricultural Society; and the Transactions of the Highland and Agricultural Society of Scotland.

Professor Comber carefully explained that there are many books, journals and abstracts pertaining to the subject other than those mentioned above and that the selection of those named was not intended necessarily to imply a meritorious distinction between them and others. He hoped, therefore, that the selection would not be deemed invidious. The books and journals named, he says, are those commonly used in his experience.

His next paragraphs, "The Use of the Literature", are quoted in full below:

"It has been indicated at the beginning of this chapter that there are two general reasons for the serious student of scientific agriculture necessarily having a general familiarity with the literature of the science of the soil. One is that he may have occasion to consider in some detail the work done on a particular problem, the other is that he must be able to keep in general touch with the whole development of the subject. No 'rules' can be attempted for the achievement of these two ends, but the following general remarks may be useful.

"Surveying the Literature of a Specific Problem. The agriculturist who needs to ascertain whether any investigations have been carried out on a particular subject, and if so, with what results, will in the first instance naturally turn to such books on the soil as are available and will particularly search the bibliography and references in "Soil Conditions and Plant Growth."

"Many institutions concerned with the subject will have a card index that may be useful, but the subject of soil science is so diverse that references in the most complete card index may not be grouped together in the manner required, and in using a card index one has to consider every possible heading under which references to the particular problem might be found.

"The indexes of the Experiment Station Record and other abstracts will be consulted, usually starting with the most recent issue and working backwards as far as is thought necessary. Care has to be taken to think of every possible word under which the subject might be indexed, for it is easily possible to miss the reference one wants because the indexer has put it under a word which does not occur to the reader. So far as is possible the original papers abstracted should be seen. It is not always necessary to read them in every detail, as many of them have a few pages of summary and conclusions at the end.

"When searching for papers dealing with a particular problem, one frequently finds one paper which gives a resume of work on that problem up to the date of its publication and the student may therefore often make use of the labours of other people.

THE LITERATURE OF SOIL SCIENCE AND ITS USE
(continued)

"The particular procedure adopted, however, depends on the problem and the extent to which one wishes to be acquainted with its detail. Experience of using the literature is the most effective way in which one can decide how to proceed in respect of a particular problem, and these remarks are made in the hope of stimulating the student to acquire some such experience.

"Surveying the General Development of Soil Science. For this purpose it is still less possible to indicate a systematic procedure. In the agricultural periodicals such as those named...there frequently appear resumes of recent developments, and at least some of these journals should be perused regularly. The Annual Reports of the Chemical Society will be useful in this connection and the agriculturist who wishes to keep his knowledge of the soil abreast of the times should take what opportunities are possible of looking through the later issues and editions of some of the journals and books with which he became acquainted during the period of systematic study."

The concluding paragraph consists of a selected bibliography of papers, etc. to which the student can usefully refer during his course. This bibliography of ten pages is classified under the following heads: The Composition and Nutrition of Plants; The Weathering of Rocks; Mineralogy and Composition of Soil Particles; Soil Organic Matter; Soil Genetics; Mechanical Analysis of Soils; The Flocculation of Soils; Soil Colloids and Soil Water; Soil Air; Soil Temperature; Drainage Water; Absorption by Soils; Base Exchange; The Reaction and Sourness of Soils; Soil Nitrogen; Soil Micro-organisms and Partial Sterilization; Mineral Plant Food; The Soil Solution; The Surveying and Mapping of Soils; Methods of Field Experiments; and Methods of Pot Experiments. A large majority of the papers listed in the bibliography are contained in periodicals, transactions and reports described by Professor Comber.

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ZUBLY - ZWEY, OR, THE LAST PART OF SABIN'S DICTIONARY.

With Part 172 (Zubly-Zwey) is brought to completion the great "Bibliotheca Americana. A dictionary of books relating to America, from its discovery to the present time, begun by Joseph Sabin, continued by Wilberforce Eames; and completed by R. W. G. Vail for the Bibliographical Society of America", (usually known merely as "Sabin"). The first part was published in 1867, 70 years ago. Joseph Sabin was a bookseller, born in England in 1821, who came to the United States in 1848. He became interested in old and rare books and compiled many sales catalogues. In the prospectus of the present Dictionary he says: "After nearly four years' labor in arranging and classifying the material which had accumulated on my hands in the course of some fifteen years of research, I am at last able to publish the following specimen of my projected Dictionary of Books relating to America. Had the magnitude and extreme difficulty of the undertaking been presented to my mind in full proportions at the outset, I should never have attempted it; and, indeed, I may remark, that I have more than once almost determined upon its abandonment."

ZUBLY - ZWEY, OR, THE LAST PART OF SABIN'S DICTIONARY
(continued)

It is an author catalogue, with anonymous works usually entered under subject. The first volume was completed in 1868, and parts were issued with reasonable regularity thereafter up to the time of Sabin's death in 1881, when the work was taken over by Wilberforce Eames, then a young bookseller in Brooklyn. It was continued by him until 1892, when he was no longer able to devote time to it. The work was thus left for many years in an incomplete state - in the middle of the Smiths. With financial aid from the Carnegie Corporation, the work was again undertaken at the instance of the American Library Association and under the auspices of the Bibliographical Society of America. Thus with part 117, published in 1927, the work of the family of Smith was resumed.

The scope of the Dictionary, which was originally inclusive of practically everything published about and even in America, has been narrowed somewhat in the later volumes. As stated in the Introduction issued with the last part and signed by the last editor, R. W. G. Vail, it was Sabin's intention "to include everything dealing with the political, government, military, economic, social and religious history of the Western Hemisphere from the discovery of the New World until the date of publication of the particular part of the Dictionary on which he was at work. This was the general policy until volume 21 began to appear in 1929... With volume 21, it was found impossible to include the entire literature of American history down to the date of publication, and so titles were restricted, for the most part, to entries published not later than 1876... It was decided in 1932 that if the Dictionary was ever to be completed a further restriction of its scope would be necessary and so, after part 130 practically all titles published after 1860 were omitted". Other restrictions later found necessary are detailed in the Introduction, which adds: "Sabin is finished, and, as did the monks in their scriptoria during the Middle Ages, we have placed after the last entry of our manuscript a fervent 'Laus Deo'. On the title-page of each volume of 'Sabin' you will find the following quotation from the preface of Anthony à Wood's History of Oxford of 1674: 'A painfull work it is I'll assure you, and more than difficult, wherein what toyle hath been taken, as no man thinketh so no man believeth, but he hath made the triall'. And to those who find inconsistencies, errors and omissions in the pages of this work of ours, I would quote a phrase from Foulkes Robartes' all but forgotten treatise: 'The revenue of the Gospel is tythes,' Cambridge, 1613. 'Who faulteth not liveth not; who mendeth faults is commended: The Printer hath faulted a little; it may be the author oversighted more. Thy paine (Reader) is the least; then erre not thou most by misconstruing or sharpe censuring; least thou be more uncharitable, then either of them hath been heedlesse: God amend and guide us all'".--Emma B. Hawks.

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HOME ECONOMICS AND LIBRARIES

[About two or three years ago, the American Home Economics Association appointed a Committee on Home Economics in Education through Libraries. The Bulletin of the American Home Economics Association for September 1936 contains a report of the Committee presented at the Seattle meeting of the Association by Harriet G. Eddy, for Lula E. Smith, Chairman. The Committee is also to submit a report at the meeting of the American Home Economics Association which is to be held in Kansas City on June 21-24, 1937. The following editorial by Miss Helen W. Atwater, from the Journal of Home Economics for May 1937 gives an interesting account of the Committee's plan of work. (See also Nov. 1935, p. 553 and 582)].

"One of the committees whose reports will be received with special interest at Kansas City is that on home economics in education through libraries. It will be remembered that the work of this committee has been divided into two parts, one on the preparation of a book list and one on promotion. Each member of the committee was asked to choose where she would put her effort, and one even volunteered to work on both.

"The first, under Miss Edna Amidon of the United States Office of Education, is continuing last year's work on the preparation of a list of books intended to guide and stimulate libraries in their purchases from the home economics and homemaking fields. The tentative list is being evaluated by committee members and also by corresponding committees in perhaps half the affiliated state associations, and the hope is that the revised list will be available very soon, certainly by the time of the Kansas City meeting.

"The other part of the committee's work is under Miss Harriet Eddy of the University of California and is tackling the problem of how to promote the reading of home economics books. In developing its plans and putting them into action, it has the generous co-operation of the American Library Association, especially through Miss Julia Wright Merrill, chief of the public library division. In fact, she may be called the committee's library adviser and acts as sort of liaison officer between the committee and the state library organizations. The plan for the current year has been to try out the proposed procedure in nine "demonstration" states, one in each region. The states in which work was under way in April are: Maine, New Jersey, South Carolina, Louisiana, Ohio, Nebraska, Wisconsin, Oregon, and California. In each the state chairman on home economics in education through libraries, the state librarian (or secretary of the library commission), and the state home demonstration leader have been asked to undertake the following:

1. Listing home economics books that are in the libraries
2. Securing their use by home demonstration groups, women's clubs, P.-T.A.'s, 4-H clubs, home economics classes and clubs.
3. Printing these lists in newspapers and printing book reviews
4. Securing purchase of additional books chosen from list furnished by book-list committee
5. Publicizing libraries' needs for better support
6. Assisting (in states having county or regional systems or desiring to promote such organization) in giving information in schools and to adult groups.

HOME ECONOMICS AND LIBRARIES
(continued)

Late that month, Miss Eddy prepared a progress report in which she assembled comments from the demonstration states. Among them were the following:

New Jersey: The Executive Board of the New Jersey Library Association passed a resolution saying they approved most highly of using New Jersey as a demonstration state for co-operation. The librarians are most enthusiastic about it, and a great many of the libraries have already begun the co-operation.--Sarah Askew, secretary, State of New Jersey Public Library Commission, Trenton.

South Carolina: I am already working closely with the agencies you suggest for general library promotion.... In serving as home education chairman of the South Carolina P.-T.A., the insurmountable obstacle to effective functioning was that most of the members of the organization were without access to public libraries and did not feel able to purchase the books for the reading courses.... The enrollment of South Carolina for library demonstration will meet with the approval of our state home economics association president, I feel sure. The state W.P.A. Library Supervision and the members of the state Library Board, the state and county home agents, and the presidents of the women's organizations will all approve and further the work which you are planning.--Mary E. Frayser, Winthrop College, Rock Hill.

Louisiana: Sends a plan named "Read for Home Happiness." It tells definitely what the library commission, the home economics association, and the home demonstration department will do. They give their objectives as follows:

1. Provision of suggestive lists and promotion of the use by laymen of books on home improvement for federated clubs, parent-teacher associations, home demonstration councils, junior home economics units, 4-H clubs, men's service clubs, Future Farmers of America chapters, and other organizations
2. Awarding by the Louisiana Home Economics Association of "Readers' diplomas" to those persons reading a minimum number of books on homemaking.
3. Supplying of programs based on homemaking books to organizations requesting them.

California: In the 29 counties which have both a county librarian and a home demonstration agent, those two form an informal committee to carry on the work listed in the six points under "promotion." In many counties, the farm women who work with the home demonstration agent have chosen the county free library as a definite project. Each month they will see that home economics books are borrowed, and from time to time will visit the library so as to be prepared by the librarian to understand its needs and sponsor its improvement. Several county free libraries have already listed the books on home economics and these are being publicized through home demonstration groups, other organizations, and in newspapers.

HOME ECONOMICS AND LIBRARIES

(continued)

One county librarian phoned that she had \$100 ready to purchase home economics books as soon as a list is available.... Miss Althea Warren, city librarian, Los Angeles, writes: "We shall be glad to receive the recommendations of the American Home Economics Association committee to check and be sure that our library owns the books you are recommending and to make special displays in our reference department and in our first-floor lobby cases."

ABSTRACT SERVICE OF THE JOURNAL OF HOME ECONOMICS

"The addition of Public Health and Social Work brings up to nine the number of major subjects the literature of which is regularly abstracted in the Journal of Home Economics. The list now reads: Child Development and Parental Education (in which family relations are becoming more and more prominent); Family Economics; The House, Its Equipment and Management; Food and Nutrition (subdivided into Food Composition, Food Economics, Food Utilization, and Nutrition); Textiles and Clothing; Education; Institution Administration; Public Health and Social Work; and Consumer Problems (which includes material from several of the other fields, brought together here because of its special bearing on the timely subject of consumer interests).

"The lengthened list will mean increasing the number of pages devoted to abstracts in 1937; this will be provided for chiefly by including them in the October issue. It also involves a new schedule of dates and space for the abstracters, arranging which is worse than doing a jigsaw puzzle, and the resulting picture is by no means perfect. We believe, however, that this section of the magazine is one most valued by the readers. No one but the editor can realize the indebtedness to the competent, faithful abstracters, almost all of whom do the work as a labor of love." (Journal of Home Economics, April 1937, v. 29, no. 4, p. 253)

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CANADIAN AGRICULTURAL JOURNALS

The Library of the Department of Agriculture at Ottawa and the Library of the University of Western Ontario at London, Ontario, have the two chief collections of early Canadian agricultural journals in the Dominion. The collection at London has been built up chiefly during the last ten years and contains many American, in addition to its Canadian, journals. There is also in London, at the office of the publishers, a complete file of the Farmer's Advocate, established in 1866 and now the oldest agricultural journal in Canada. A communication received from Professor Fred Landon, Librarian of the University of Western Ontario, states that he will appreciate hearing from American libraries which have agricultural journals prior to 1890 for exchange.

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THOMAS GREEN CLEMSON - FIRST SUPERINTENDENT OF AGRICULTURAL AFFAIRS
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A biography of Thomas Green Clemson has been long overdue. In the thoroughly documented study* of him which has just been issued, the authors have carefully examined the source material and have described in detail Clemson's life, his work and his relation to the agricultural and scientific movements of his time. As stated in the preface, "In the South he is generally known as the founder of the Clemson Agricultural College located on the old John C. Calhoun estate in upper South Carolina. This, however, was only one of several important phases of his work. He was an able mining engineer, distinguished diplomat, a practical scientific farmer, the first superintendent of agricultural affairs of the United States, a pioneer in American agricultural history, an officer of the Confederate States army, and an active promoter of scientific education." All of his activities are dealt with in this biography, but to students of the history of the United States Department of Agriculture the material relating to Clemson's appointment and services as first Superintendent of Agricultural Affairs of the United States is of special interest. As the facts regarding his appointment which are brought out in the biography are not so generally known, it was thought that it would be of interest to quote the material in some fullness in Agricultural Library Notes, particularly as this year is an important anniversary in the history of the Department. It is an interesting coincidence that the copy of the biography was received by the Library on May 15, 1937, just seventy-five years after the date on which the bill establishing the U. S. Department of Agriculture was signed by President Lincoln. That the Department had its beginnings in the Agricultural Division of the Patent Office is well known but the efforts to establish in the Department of the Interior an agricultural bureau reporting direct to the Secretary of the Interior are not so often referred to. No mention of them, for example, is made in the "History of the U. S. Department of Agriculture" by C. H. Greathouse. The following quotation from the Journal of Agriculture of the United States Agricultural Society, in its issue for January 1860 (p. 377), explains how Clemson's appointment came about:

"Thus far, the agricultural operations of the General Government have been conducted under the direction of the Commissioners of Patents, whose laborious legitimate duties have left them but little opportunity for superintending the clerks, writers, and agents, the preparation of reports, or the purchase and distribution of seeds. It is not therefore to be wondered at, that subordinates, often unqualified for the positions which they have managed to secure, have been convicted of gross mismanagement, plagiarism, and useless expenditures.

*Thomas Green Clemson, His Life and Work. By Alester G. Holmes, Professor of History, The Clemson Agricultural College, and George R. Sherrill, Professor of Economics and Government, The Clemson Agricultural College. With an introduction by E. W. Sikes, President, The Clemson Agricultural College. Richmond, Garrett and Massie, Inc., 1937. 212 p.

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"This state of things has made the announcement doubly welcome, that the Secretary of the Interior proposes to establish a Bureau of Agriculture, and that he has invited the Hon. Thomas G. Clemson to organize it, and afterwards to act as its head. The selection is an excellent one, and the Agriculturists of the Republic will congratulate Mr. Thompson, and each other, that he has found 'the right man for the right place.' A gentleman of rare scientific attainments, Mr. Clemson is also a practical farmer, who carries his theories into successful and profitable practice. Distinguished abroad as an accomplished diplomatist, and recognized there and at home as a scholar possessing high attainments, he is no less esteemed by his neighbors for the success which has attended his labors in regenerating a worn-out plantation near this metropolis, where he has resided since his return from Belgium."

The files of the Department of the Interior show that Mr. Clemson was actually appointed as Superintendent of the Agricultural Division of the Department of the Interior on February 3, 1860. No objection to removing the agricultural work from the Patent Office was made by Honorable William D. Bishop, Commissioner of Patents. He is said to have cheerfully relinquished all jurisdiction as he "was well aware of the impropriety of having the agricultural operations of the Government carried on as an appendage of the Patent Office." But about this time he was succeeded by Honorable Philip F. Thomas as Commissioner of Patents, who did not share Bishop's views about the separation and was very reluctant to have any change made in the old scheme of organization. It will be seen from this that Mr. Clemson entered upon the duties of his office under a decided handicap. However, according to the National Intelligencer of February 8, 1860*, the Secretary of the Interior, Jacob Thompson, finally overruled Philip F. Thomas, Commissioner of Patents, and made the proposed separation: "

"The Secretary of the Interior yesterday responded by assenting to the request preferred (for separation) and directing the affairs of the agricultural division of the Patent Office to be arranged for transfer as early as practicable. We are also informed that the Secretary announced to the Commissioner the appointment of the Hon. Thomas G. Clemson as the future Superintendent of the Agricultural Division, with instructions to report at once to the Commissioner, in order that he may be enabled to familiarize himself with the affairs involved in its operations, and receive the records and other effects pertaining thereto. The gentlemen employed in this branch of the service are also required to report to Mr. Clemson for duty, and to be directed by him, under the authority of the Commissioner of Patents, until such time as the proposed transfer shall be consummated, when the management will devolve exclusively upon the Superintendent, under the immediate direction of the Secretary of the Interior. In accordance with these arrangements, Mr. Clemson yesterday entered upon the preliminary duties

*Quoted in Thomas Clemson, His Life and Work. p. 132-133.

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of his office, and will, no doubt, be for sometime engaged therein, and especially in maturing plans for future operations."

"It is not doubted that the public will appreciate and commend what has thus been done, and rejoice in the selection for this position of a gentleman who will reflect honor upon it, and who is competent both to conceive and to execute its highest and most varied and beneficent design."

Unfortunately the way was not clear for the smooth performance of his duties as head of an agricultural bureau independent of the Patent Office. The following quotations from the Journal of Agriculture of the U. S. Agricultural Society for April, 1860 show that the differences of opinion between the new Commissioner of Patents, Mr. Thomas, and the Secretary of the Interior, Mr. Thompson, played havoc not only in the Department of the Interior but also were reflected in Congress:

"It was announced in the Journal for January, upon the very best authority, that the Secretary of the Interior had invited the Hon. Thomas G. Clemson to organize an Agricultural Bureau, which was to supersede the operations heretofore carried on under the direction of the Patent Office, professedly for the improvement of the cultivation of the soil. The position, it was understood, had been previously tendered to Col. B. P. Johnson, who had declined it, and general gratification was expressed when Mr. Clemson consented to serve. It was also known that the Hon. William D. Bishop, Commissioner of Patents, well aware of the impropriety of having the agricultural operations of the Government carried on as an appendage to the Patent Office, cheerfully relinquished all jurisdiction... (p. 169)

"No organization of an Agricultural Bureau has as yet been perfected, and the Hon. Philip F. Thomas, of Maryland (who succeeded Mr. Bishop as Commissioner of Patents) has control of the publication of the Agricultural Report for 1859, the propagating garden, etc., even appointing a clerk to fill a vacancy, without consulting Mr. Clemson. Indeed the whole matter stands where it did after Mr. Brown was permitted to retire.

"The Committee on Agriculture of the House of Representatives are somewhat at a loss (it is rumored) as to what action to take on a request of the Secretary of the Interior that an enlarged appropriation be recommended by them. No plan has been submitted, and there is evidently a want of harmony at the Department, which has naturally produced a difference of opinion among the members of the committee." (p.169)

"Congress voted an appropriation of \$60,000 for the collection of agricultural statistics and the distribution of seeds, nor was there any desire manifested to have it expended in any different manner than heretofore. Even those Representatives who had professed to be in favor of an 'Agricultural Bureau' held their peace when the appropriation was voted, and it passed without even calling the 'ayes and noes.' Consequently the Secretary of the Interior did not feel disposed to carry out his views expressed during the meeting of the United States Agricultural Society last winter, and the Commissioner of Patents has absolute

THOMAS GREEN CLEMSON - FIRST SUPERINTENDENT OF AGRICULTURAL AFFAIRS
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control of the expenditure of the 'agricultural appropriation.' It is understood that Mr. Clemson submitted a plan for organizing a separate Agricultural Bureau to the Secretary of the Interior, but it has neither been adopted nor published. (p. 261)

"Mr. Clemson has been sent to Europe by Gov. Thomas, the Commissioner of Patents, to purchase seeds and cuttings. Poland and Mediterranean wheat, Italian barley and rye, garden seeds, cork-oak acorns, Persian walnuts, etc., are to be procured, and either distributed or propagated at the government green-houses here, to be distributed later in the form of young plants."

In the last quotation saying that Mr. Clemson was sent to Europe, how much can be read between the lines. The authors of his biography state that it is not definitely known just how long he was in Europe on this trip but that the task assigned and steamer passage each way evidently consumed a good deal of time. Meanwhile, the rift between the North and the South which led to the Civil War was growing very rapidly, and Clemson, being thoroughly in sympathy with the Confederacy, found himself out of harmony with the Administration. On March 9, 1861, he sent the following letter to Honorable C. B. Smith, Secretary of the Interior:

"Sir: More than two months ago I tendered my resignation as Superintendent of Agricultural Affairs to the Hon. Jacob Thompson, then Secretary of the Interior, who replied by saying that he regarded it as my duty to myself and to the country to remain in position until the completion of the annual report for 1860. I acquiesced and have remained up to the present moment, in the hope of supervising the publication of that report, which was perfected in January, and its publication promised by the first of March, but, as the consummation of the printing still appears to be vaguely remote, I have determined to defer my purpose no longer, and beg leave hereby to resign the commission I hold."

Just when Clemson left Washington is not definitely known but not long after he wrote his letter to the Secretary of the Interior he entered the service of the Confederate Army. The following quotations which sum up his services as Superintendent of Agricultural Affairs are all taken from his biography.

"A true appraisal of Clemson's activities as Superintendent of Agricultural Affairs is exceedingly difficult if not impossible because there is almost no documentary evidence concerning it. Unfortunately the complete records of the Department of Agriculture do not extend back of 1862, when the organic act was passed creating this Bureau. The Department of the Interior has only the correspondence of presidential appointees in those early days, and some miscellaneous letters and papers. Since Clemson was not a presidential appointee, there is no regular file of his papers, and only a few scattered letters remain, and they contain very little of the information desired. Although the personnel records of the Patent Office go back to 1847, they contain no account of Clemson.

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"It should be remembered that there were numbers of steps in the evolution of the United States Department of Agriculture. In 1839 Congress appropriated \$1,000 to be expended by the Commissioner of Patents for the collection of statistics and investigations for the promotion of agriculture. At first this was a mere clerkship but gradually the appropriation was increased and additional members were added to the agricultural staff. This work, however, remained under the control and supervision of the Patent Office until 1862, when Congress created the Agricultural Bureau, which became a full-fledged department with cabinet rank in 1889. For some reason, or for no reason at all, most writers on agricultural organization have not credited Clemson with having any part in the formation of the Department of Agriculture. Without claiming any particular honor for him it is only fair to examine and analyse such records as there are. Clemson entered upon his duties as Superintendent of Agricultural Affairs upon the eve of an important change in the organization and administration of the agricultural affairs of the government. As a matter of fact he was specially chosen by Secretary Thompson to effect the desired change and take charge of the new Agricultural Bureau. Clemson submitted to the Secretary of the Interior a plan for organizing a separate agricultural bureau, but it was not adopted on account of indifference or inactivity of some of the Congressmen. Unfortunately as this report was not made public, the provisions of his proposed plan are not definitely known. The act of 1862 was undoubtedly the result of the long and patient labor of a fairly large group of thoughtful men who were interested in improving agricultural conditions in the United States. It was a cooperative undertaking, and the credit belongs, not to any one man, but to the whole group. Clemson was one of the leaders in this movement, and he deserves honorable mention. While his report to the Secretary of the Interior is not available, his views are very clearly set forth in his 'Preliminary Remarks' of the Patent Office Report for 1860:

'The requirements of the present age, and the permanent importance of the subjects embraced in its operations, demand that the power of this agency of the Government should be enlarged. This opinion was expressed in the views I had the honor to submit to the Secretary of the Interior at the period of my being called by that functionary to the position of Superintendent of Agricultural Affairs.

'A vast majority of the intelligent agriculturists of the country, dissatisfied with the limited functions now exercised by the Government, not only confidently anticipate, but demand an organization at least equal in importance to that of any other department.

'No object is more worthy of governmental care; nor is there any field of action in which the satisfactory realization of progress in population, wealth and civilization can be so certainly attained.

'The Agricultural Division of the Patent Office comprises as its personnel a superintendent; four clerks, including translators and writers; and a curator or gardener, and assistants; and its average annual expense for the last three years has been about \$53,000, including the distribution of plants.

THOMAS GREEN CLEMSON - FIRST SUPERINTENDENT OF AGRICULTURAL AFFAIRS
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'I should be wanting in fidelity to the trust reposed in me were I not earnestly to urge a more efficient encouragement to this great basis of all prosperity. The enlarged organization I have proposed is indispensable to the prosperity of our country; and the consummation of such a creation is an achievement in which man may be proud to engage.

'That the great interest of agriculture should be without suitable representation in the Government appears as an anomaly, and indicates a want of appreciation of the true state of our civilization. The present embryotic organization owes its existence to ideas of expediency expressed in the form of an annual grant to collect and distribute seeds and cuttings and information on their culture. That it should prove inefficient for the accomplishment of great and far-seeing enterprises is necessarily incident to its limited foundation and unstable tenure. The remedy is with the American people and their legislators; and it is confidently believed that, as the members of the great producing family become imbued with these truths, they will manifest their opinions by firm and vigorous action. An adequate organization and corresponding appropriations will be greeted throughout the land with the approving response of millions. A Department established under such auspices for the benefit of the paramount agricultural interest of the country, should be separate and apart from all influences other than those prompted by the highest regard for the public good, unobtrusive in its conduct as in its nature, and having truth for all partizan considerations. It should know no section, no latitude, no longitude. It should be subservient to no party other than the great party of production...

'How far it is accordant with the true interests of the Patent Office and with the rights of inventors to continue the administration of agricultural affairs under the aegis of that Office; how far it accords with verity to hold the Commissioner of Patents to responsibility before the country and the world for the performance of duties of which he cannot be cognizant, for the expression of opinions he cannot have matured, and for the promulgation of scientific discoveries in fields his accustomed pursuits have never or seldom permitted him to traverse, are regarded as proper and important inquiries at the present era, without respect to the converse of the several propositions implied, namely, that operations that are sui generis should not be embarrassed by incongruous alliances, but that the labor and responsibility involved, and, it may even, be added, the honor of all creditable achievement, should fall upon the real agents in their consummation.'

"These remarks seem to have considerable significance. They were written January 29, 1861, while Clemson was Superintendent of Agricultural Affairs of the United States. Whether many of the ideas presented in the report were original with Clemson or not is beside the question. The point is that he assembled and embodied in his report the best thought of the time. He gave a concise statement of the facts about agricultural departments, bureaus, and boards as he understood them to be in England, France, Spain, Belgium, Austria, Russia, and Prussia. He gave a brief review of the

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history and development of the Agricultural Division of the Patent Office which he characterized as an 'embryotic organization', and made a strong plea for the organization of a real Department of Agriculture...

"It is impossible to determine what effect Clemson's plea had in arousing public sentiment for the passage of the federal Act of 1862. His report for 1860 was published after his resignation from office on March 9, 1861. His successor in office was Honorable Isaac Newton of Pennsylvania. The Agricultural Division of the Patent Office Report for 1861 was signed by D. P. Holloway, Commissioner, but it was undoubtedly prepared by Newton. He recommended the establishment of a Department of Productive Arts, with three bureaus - agricultural, mechanical, and commercial respectively. A careful examination of the two reports and a comparison with the organic act of 1862, shows beyond question that Congress followed much more closely the suggestions of Clemson than it did those of his successor."

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PRINCIPAL LIBRARY ACCESSIONS*

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- BADKE, W. H. Advertising layout. Milwaukee, Milwaukee advertising institute, 1936. 238.2 B14
- WILSON, C. M. Money at the crossroads; an intimate study of radio's influence upon a great market of 60,000,000 people. New York, National broadcasting company, 1937. 238.2 W69

Agricultural law

- CALIFORNIA. LAWS, STATUTES, etc. Agricultural code (revised to Sept. 15, 1935) Sacramento, California state dept. of agriculture, 1936. 30.5 C12Ag 1935

Agricultural machinery

- SMITH, H. P. Farm machinery and equipment. Ed. 2. New York, McGraw-Hill, 1937. 58Sm5 Ed. 2
- STONE, A. A. Farm machinery. Ed. 2. New York, Wiley, 1934. 58 St7 Ed.2

Apiculture

- DIGGES, J. R. G. The practical bee guide. Ed. 8. London, Simpkin, Marshall, 1936. 424 D56 Ed. 8.

Bacteriology

- HAUDUROY, P., and others. Dictionnaire des bactéries pathogènes pour l'homme, les animaux et les plantes. Paris, Masson, 1937. 448.2 H293
- WEINBERG, M. and others. Les microbes anaérobies. Paris, Masson, 1937. 448.2 W43

Botany

- HILL, J. B. and others. Botany; a textbook for colleges. New York, McGraw-Hill, 1936. 463 H55
- MATTIROLO, O. Catalogo ragionato dei funghi ipogei raccolti nel canton Ticino e nelle provincie italiane confinanti. Zurigo, Fretz, 1935. (Contributi per lo studio della flora crittogama Svizzera. v. 8, fasc.2) 462.12 M43
- NAKAI, T., ed. Iconographia plantarum Asiae orientalis. v. 1, no.1-4. Tokyo, Shunyodo Shoten, 1935-36. Text in Latin, Japanese, and English. 460.1 N14

*Requests which are sent to the library for items in this list should include the call number following the entry.

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(Continued)

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- CHEMICAL INDUSTRIES. Equipment's contribution to chemical progress. New York 1936. 388 C422E
- HENRY, B. S. Studies of yeasts and the fermentation of fruits and berries of Washington. Seattle [1936?] (Bulletin. University of Washington) 390.1 H39
- HISCOX, G. D., ed. Henley's twentieth century book of formulas, processes and trade secrets. New York, Henley, 1937. 388 H62 1937
- WEHRENALP, E. B. von. Farbe aus kohle. Stuttgart, Kosmos, 1937. (Kosmos-bändchen 146) 306 W42

Civilian conservation corps

- OLIVER, A. C., jr., and DUDLEY, H. M. This new America; the spirit of the Civilian conservation corps. London, Longmans, Green, 1937. 279.2 O14

Dairying

- GODBOLE, N. N. Milk, the most perfect food. Allahabad, The author, 1936. 389.1 G54

Domestic animals. Animal products

- ASMUS, H. Horseshoes of interest to veterinarians. Ithaca, Department of horseshoeing, New York state veterinary college [1936?] 42 As5
- BRYANT, D. Care, feeding and training of cats in the modern manner. Camden, Haddon craftsmen, 1936. 48 B84 Rev.
- CARD, L. E., and HENDERSON, M. Farm poultry production. Ed.2. Danville, Ill., Interstate printing co., 1935. 47 C173 Ed.2
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*Under the supervision of S. T. Ballenger, Assistant Professor of Modern Languages.

**Under the supervision of Dr. L. E. Hinkle, Professor of Modern Languages.

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INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES
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- Pan-Pacific. Pan-Pacific Union. Honolulu, Hawaii. quar. 4°. il. v. 1, no. 1, Jan./Mar. 1937. Included in all memberships: \$3.50 resident and non-resident, annual. Single copies, 50 cents. Supersedes Mid-Pacific magazine.
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OBERLY MEMORIAL FUND COMMITTEE REPORT

1937-1938

The following report on the 7th award of the Oberly Memorial Prize has been submitted by Mr. Gilbert H. Doane, Chairman of the Committee, to the Agricultural Libraries Section of the American Library Association. The report will be read at the meeting of the Section on June 22:

"The Committee has the honor of making the 7th award of the Oberly Memorial Prize to Mr. Victor A. Schaefer for his bibliography entitled 'A survey of current bibliographies on agriculture and allied subjects.' The decision of the Committee was unanimous.

"The Committee desires to make honorable mention of Miss Chastina Gardner's bibliography 'Cooperation in Agriculture'.

"Twelve bibliographies were submitted in this, the seventh biennial competition:

- Benton, Mildred C. Financing American cotton production and marketing in the United States.
- Colvin, Esther M., and Folsom, J. C. Agricultural labor in the United States, 1915-1935.
- Colvin, Esther M., and Olcott, M. T. Crop and livestock insurance.
- Day, Emily L. Government control of cotton production in the United States, 1933-1935.
- Day, Mary Bostwick. A select reading list of interest to students in the field of agricultural history and allied subjects.
- Gardner, Chastina. Cooperation in agriculture.
- Gray, Edith E. History of botany; list of source material, Aristotle to John Ray, in University of California libraries.
- Kistler, Ellen D. Bibliography of the botanical writings of Edward Lee Greene.
- Olcott, Margaret T., and Hennefrund, H. E. Valuation of real estate, with special reference to farm real estate.
- Schaefer, Victor A. A survey of current bibliographies on agriculture and allied subjects.
- Schuetter, H.A., and Schuetter, S. C. Maple sugar: a bibliography of early records.
- Vavilov, N. I. (Library of Institute of Plant Industry, Lenin Academy) Bibliography of world literature on genetics and breeding of wheat.

"The Committee wishes to remind you that this award is made once in two years in memory of the late Eunice Rockwood Oberly, formerly librarian of the Bureau of Plant Industry, United States Department of Agriculture. The prize is derived from the income of the memorial fund raised by her friends and admirers after her death in 1921. This year the prize amounts to \$100. It will be awarded again early in 1939.

Paul Alcorn
Jessie M. Allen
William H. Carlson
Corn L. Foldkamp
Frances Warner
Gilbert H. Doane, Chairman."

BIBLIOGRAPHIES AND LISTS

U. S. Department of Agriculture

Bureau of Dairy Industry.

Publications relating to the dairy industry. Revised to April 1937.

11 p. Mimeographed. 1.9 An55Pu

Extension Service.

Current rural electrification references for extension specialists. A list of miscellaneous literature in current use compiled from material supplied by State and commercial rural electrification specialists. Prepared by S. P. Lyle and Mary Rokahr. 1937. 15 p. (Miscellaneous extension publication no. 37) Mimeographed. 1.9 Ex892Mi

Miscellaneous

- Canada. Dept. of agriculture. List of periodicals in the main library, Department of agriculture, January, 1937. [Ottawa?] 1937. 23 p. Mimeographed. 241.9 C16L.
- Coulter, M. and Gerstenfeld, M. Historical bibliographies; a systematic and annotated guide. Berkeley, University of California press, 1935. 206 p. 241.2 C83.
- Hildreth, G. H. A bibliography of mental tests and rating scales. New York, Psychological corporation, 1933. 242p. 241.25 H54
- London, Science Museum. Books on the geology of underground waters. From c. 1850 to date. (works of purely local reference excluded) 1937. 15 p. Science library bibliographical series no. 299. 241.5 L842
- Diseases and disorders of livestock caused by mineral deficiency or excess. 1937. 15 p. Science library bibliographical series no. 297. 241.5 L842
- Dry farming in India, Egypt and South Africa. 1937. 1 p. Science library bibliographical series no. 287. 241.5 L842
- Flight of Birds. (Inclusive of No. 180) 1937 30 p. Science library bibliographical series no. 295. 241.5 L842
- Names and addresses of some of the chief agricultural journals issued in various European countries. 1937. 5 p. Science library bibliographical series no. 301. 241.5 L842
- Papers on elastic fabrics, 1928 and onwards. 1937. 3 p. Science library bibliographical series no. 291. 241.5 L842
- Permanent and chilled moulds. Books and papers in English, 1930-1936. 1937. 3 p. Science library bibliographical series no. 296. 241.5 L842
- Select bibliography of recent references on the nutrient requirements of dairy cows and the composition of feeding-stuffs. 1937. 11 p. Science library bibliographical series no. 303. 241.5 L842
- National economic and social planning association. A selected bibliography of books on economic and social planning, 1935-1936. Washington, 1937. 11p. 241.3 N214
- West Virginia. Biological survey. A preliminary bibliography of West Virginia biology. v. 1. Morgantown, 1936. (West Virginia university studies: 2; Bulletin. ser. 37, no. 5-11, Nov. 1936) 241.7 W52
- Willis, L. G., comp. Bibliography of references to the literature on the minor elements and their relation to the science of plant nutrition. Ed. 2. Originally compiled by L. G. Willis. New York, Chilean nitrate educational bureau, 1936. Mimeographed. 463.34 W67 Ed. 2

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during May 1937, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

- Agricultural conservation and national security. Excerpts from address by Harry L. Brown at Farmers' field day meeting, Rome, Ga., April 27, 1937. 3 p. 1.8 Ag8640
- Coordination of federal agricultural agencies and their relationships with state agencies, by Harry L. Brown. New York state colleges of agriculture and home economics, Extension service annual conference, Mar. 17 to 19, 1937. 5 p. 1.9 Ag8640
- Farm land values. Remarks of Henry A. Wallace broadcast in the National farm and home hour, May 4, 1937. 4 p. 1.9 Ag8636
- Federal aid to agriculture by Harry L. Brown. East Tennessee farmers' meeting, Knoxville, Tenn., May 18, 1937. 8 p. 1.9 Ag8640
- Grass. Remarks of H. A. Wallace broadcast in the National farm and home hour, May 18, 1937. 6 p. 1.9 Ag8636
- How prevent inflation? by Mordecai Ezekiel. Abstract of talk before the People's lobby, Apr. 24, 1937. 5 p. 1.9 Ag8636
- Land use, by Harry L. Brown. Annual Farmers' meeting sponsored by Chamber of commerce at Raleigh, May 20, 1937. 7 p. 1.9 Ag8640
- National agricultural planning, by Harry L. Brown, at the Regional extension conference, Spokane, Wash., May 24, 1937. 7 p. 1.9 Ag8640
- The problem of balance in modern civilization. Address by Secretary Wallace before the Economic club of New York, Feb. 3, 1937. 16p. 1.9 Ag8636
- State road planning survey. Remarks of Henry A. Wallace broadcast in the National farm and home hour, May 11, 1937. 4 p. 1.9 Ag8636
- Statement by Secretary Henry A. Wallace before House agricultural committee concerning proposed Ever-normal granary legislation, May 27, 1937. 10 p. 1.9 Ag8636
- Two kinds of pellagra. Remarks of Henry A. Wallace broadcast in the National farm and home hour, May 26, 1937. 4 p. 1.9 Ag8636
- What democracy means to the South. Address by Harry L. Brown before the Democratic national committee, Regional conference, Women's division, Henry Grady hotel, Atlanta, Ga., Apr. 28, 1937. 12 p. 1.9 Ag8640

* Bibliographies included in general list of bibliographies on page 326.

** For a list of the principal series issued regularly, see v. 9, no. 10, p. 354

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Agricultural Adjustment Administration

- Agricultural stability and business stability. Address of H. R. Tolley.
United States Chamber of commerce, Apr. 28, 1937. 15 p. 1.94 Ad472T
- Group discussion manuscript no. 1. 1937. Issued by Program planning division.
1.94 Ad472Gd

Bureau of Agricultural Economics.

- Cost of production of potatoes. Data from studies in 35 states, and in the
United States by groups of states, selected years, 1901-36. Compiled from
official sources by H. P. Matteson and H. W. Hawthorne. May, 1937. 213 p.
1.9 Ec762Cop
- The federal meat grading service and its adaptability to state purchases. By
B. F. McCarthy. 1937. 7 p. Address, Annual meeting, Association of Ohio
public officials, Youngstown, Ohio, May 15, 1937. 1.9 Ec713Fe
- The handling, grading, and uses of rice. Abstracts and references. Compiled
by C. Louise Phillips Corbett and E. G. Boerner. 1937. 43 p. (USGSA-GI-
38-Rev.) 1.9 Ec72Hr
- Index numbers of prices, taxes, and interest payable by farmers. May, 1937.
6 p. 1.9 Ec752Ine
- Livestock, meats, and wool market statistics and related data. 1936. Compiled
under direction of Edna M. Jordan. 1937. 178 p. 1.9 Ec713Ls
- Relationship of cattle grades to beef grades - according to federal standards.
By B. F. McCarthy. 1937. 7 p. Address, Annual cattle feeders' day program,
Ft. Collins, Colo., May 21, 1937. 1.9 Ec713Reg
- Revised estimates of wheat acreage, yield and production 1866-1934. Sept. 1934.
Reissued May 1937. 92 p. 1.9 Ec71Rew
- State agricultural departments and marketing agencies with names of officials.
May 1937. 6 p. 1.9 Ec731St

Bureau of Agricultural Engineering.

- Ditch maintenance experiments in Ohio and Delaware. By W. D. Ellison. For
information of the engineers of the C.C.C. drainage camps. 1937. 22p.
1.9 En35Di Issued by Division of land drainage.
- Potential mechanical improvements involved in modernizing cotton gins. By
C. A. Bennett. 1937. 6 p. 1.9 En36Po

Bureau of Animal Industry

- Tentative turkey improvement plan. 10 p. Issued May 10, 1937 by Animal
husbandry division. 1.9 An525Te

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

(continued)

Bureau of Biological Survey

The American chameleon and its care. 1937. 4 p. (Wildlife research and management leaflet BS-92) Issued by Section of food habits, Division of wildlife research. 1.9 B524W

The controlled hunting areas and the pheasant refuge-management system in northwestern Ohio. By L. E. Hicks. 1937. 10 p. (Wildlife research and management leaflet BS-93) Issued by Section of wildlife surveys, Division of wildlife research. 1.9 B524W

The correlation of water conservation and wildlife conservation. Talk by I. N. Gabrielson at National rivers and harbors congress, Mayflower hotel, Washington, Apr. 26, 1937. 5 p. 1.9 B52A

Infectious myxomatosis of domestic rabbits (Mosquito disease; big-head disease). By F. D. McKenney and J. E. Shillinger. 1937. 2 p. (Wildlife research and management leaflet BS-89) Issued by Section of disease control, Division of wildlife research. 1.9 B524W

Range conservation and rodent control. By W. C. Henderson. May 24, 1937. 10p. 1.9 B52Add

Vegetative classification for cover mapping. [1937?] 4p. 1.9 B52V

The waterfowl situation: 1936-37. 1937. 14 p. (Wildlife research and management leaflet BS-88) Issued by Section of distribution and migration of birds, Division of wildlife research. 1.9 B524W

Bureau of Entomology and Plant Quarantine

Barberry eradication in Iowa. [1937?] 6 p. 1.9 En862Di

Barberry eradication in Missouri. [1937?] [Folder- 12p.] 1.9 En862Dm

Directory. Bureau of entomology and plant quarantine. 1937. 108 p. 1.9 En86Di

Illustrative educational material. Prepared in cooperation with the Extension service. Comp. by M. P. Jones, extension entomologist. 1937. 3 p. 1.9 En86I

Office of Experiment Stations

Soybean projects of the state agricultural experiment stations, 1937. Comp. by H. M. Steece May 1937. 17p. 1.9 Ex6So 1937

Extension Service

Effectiveness of poultry extension. By M. C. Wilson and J. E. McClintock. June 1928. Reissued, April 1937. 23 p. (Extension service circular 79) 1.9 Ex892Esc

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Extension Service

(continued)

4-H club enrollment and completions. Southern states 1935 and 1936. 1937. 5p.
1.9 Ex892Foe

Influence of cotton extension upon cotton production in northwest Louisiana.
A study of 369 farms in Caddo, Clairborne, DeSoto, Jackson, Lincoln, and
Union parishes, Louisiana, 1935, by F. W. Spencer and M. C. Wilson. 1937.
43 p. (Extension service circular 257) 1.9 Ex892Esc

Planning county agricultural extension programs. By Fred B. Morris. 1937.
33 p. (Extension service circular 260) 1.9 Ex892Esc

Suggested objectives and general policy for county agricultural planning
project. Part 1. 1937. 7 p. 1.9 Ex892Suo

Supervisory problems and needs in home demonstration work, Western section.
As suggested by State home demonstration leaders, county home demonstration
agents and county agricultural agents in the western states and territories.
For use in the Discussion conference on Home demonstration supervision.
Spokane, Wash., May 24-27, 1937. 22p. 1.9 Ex892Supp

Wildlife conservation and restoration. Informational notes. no. 2, May 1, 1937.
13 p. In cooperation with the Bureau of biological survey. 1.9 Ex892Wi

Forest Service

Analyzing job training by the conference method. Jan. 23, 1937. 7 p. Issued
by Emergency conservation work division. 1.9 F7682

Compilation of state laws on forestry and certain related subjects for the
state of West Virginia. Issued May 17, 1937. 7 sections. Issued by Division
of state-cooperation. 1.9 F7681C

Definition of the procedure, terms and classifications. The inventory
phase of the Forest survey, Northern Rocky mountain region. An April 1937
progress report. Missoula, Mont., 1937. 14 p. (Forest survey release no. 3)
Issued by Northern Rocky mountain forest and range experiment station.
1.9 F7628F

Forest statistics for Crook county, Oregon. From the inventory phase of
the forest survey. Portland, 1937. 8 p. Issued by Pacific northwest forest
experiment station, Portland, Ore. 1.9 F7629Fst

Forest statistics, Ford Oreille county, Washington. From the inventory phase of
the Forest survey. A March 1937 progress report. Missoula, Mont., 1937.
24 p. (Forest survey release no. 2) Issued by Northern Rocky mountain forest
and range experiment station. 1.9 F7628F

Naval-stores yields from bark-bars. By T. A. Liefeld. 1937. 8p. (Occasional
paper no. 61) Issued by Southern Forest experiment station, New Orleans, La.
1.9F7624C

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Food and Drug Administration

Radio talks on how to read food and drug labels. By W. R. M. Wharton. Revised, Mar. 15, 1937. 152 p. 1.9 F73213Ho

Weather Bureau

Recent trends and the future in meteorological service. Address by W. R. Gregg before the Iowa chapter of the Society of the Sigma Xi, Iowa City, Iowa, April 21, 1937. 8 p. 1.9 W37Add

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OFFERS

The Library of the U. S. Department of Agriculture has for exchange the following works:

Agricultural organization in New Zealand. A survey of land utilization, farm organization, finance and marketing.
By H. Belshaw, D. O. Williams, F. B. Stephens, and
E. J. Fawcett. (I. P. R. International Research Series)
1936. \$5.00

The farmers' cabinet; devoted to agriculture, horticulture
and rural economy. Aug. 1839 to July 1840. v. 4.
Philadelphia, 1840. \$1.50
Title page torn

Holyoake, George Jacob. The history of the Rochdale pioneers.
10th ed. rev. and enl. London, George Allen & Unwin, Ltd.,
1893. \$1.00

The Library of the Colorado State College of Agriculture and Mechanical Arts, Fort Collins, has duplicates of the following volumes of the Experiment Station Record, and will be glad to hear from any library interested in acquiring them:

Volumes 49, 50, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66,
67, 69, 70, 71, 72, 73.

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THE VOLUME OF ENTOMOLOGICAL LITERATURE

[Extracts from an article by W. V. Balduf, University of Illinois, in Science for June 4, 1937, p. 542-544]

"Without meaning to suggest that research in entomology should be in the least abated, it seems timely to direct attention to the volume of literature already published concerning insects. What will be said here about entomological matter doubtlessly applies equally to other aspects of biological science. The Zoological Record and the Review of Applied Entomology were the sources of the data concerning the number of articles discussed below. Through the kindness of Dr. S. A. Neave and W. L. Sclater, who direct the preparation of these two aids, it was learned that their contents are not duplicated to exceed 10 per cent. On this basis, the number of separate entomological items published between 1913 and 1934, for which period both Record and Review are available, was not less than 100,935, or an average of 4,588 per year. Adding to this figure the titles cited in the Record alone for the years 1864 to 1912, the period preceding the advent of the Review, we have a total of about 175,000 articles and books, with an average yearly output for the 70 years from 1864 to 1934 of about 2,500 separately published items.

"To this total should be added several hundred articles listed in the several volumes of the International Catalogue of Scientific Literature for 1904 and 1905 that seem not to have been included in the Zoological Records for those years. The final total of papers and books already put out by our force of workers is therefore truly overwhelming...

"The abstract journals perform a very valuable service in providing the essence of individual articles, many of which would otherwise remain out of reach of most entomologists, owing to their distant origin and foreign language difficulties. But such abstracts are largely concerned with economic species or aspects, and moreover leave the subject-matter unassembled and uncorrelated and therefore still oblige the student or worker to expend much time in bringing it together. The usual result of this necessity is that the data remain unacquired by them. The writer believes, in the face of the mountainous mass of published matter, that entomology should encourage the preparation of occasional summary studies of its literature. These would be concerned either with species or aspects for which a considerable number of bionomic papers have already appeared but whose essence has not been assembled, organized, condensed and republished in the form of source books or comprehensive bulletins for the use of the entire profession. Needed are the services of a number of workers who have the facilities of a good library at their disposal, who enjoy some freedom from other duties, and are willing to forego research for a period of years to accomplish this task for the common welfare. The result would probably be more effective for the advancement of the science of entomology than an equivalent amount of time and energy devoted to the production of original papers..."

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THE LIBRARY OF THE ARNOLD ARBORETUM

[Extracts from the Bulletin of Popular Information of the Arnold Arboretum for June 11, 1937 (Series 4, vol. 5, no. 7) devoted entirely to an account of the Library by Miss Ethelyn M. Tucker, the Librarian]

"When one thinks of the library of the Arnold Arboretum the question naturally arises what is it? How large is it? What sort of books does it contain, and who may use it? Is it open to the public?

"First what is it? It is essentially a botanical library rather than a horticultural one, although it contains many horticultural works. While it has been developed primarily as an adjunct to the study of woody plants, yet it is so catholic in its scope that books on many allied subjects are to be found in it. It was begun in 1873 when Professor C. S. Sargent, the Arboretum's first director, obtained a few standard works needed in planning the Arboretum and arranging its collections.

"How large is it? It now includes approximately 43,000 bound volumes, 18,000 photographs, 12,000 pamphlets and several thousand nursery catalogues, thus ranking as one of the three or four largest and most important botanical libraries in America. In 1892 when the library had increased to six thousand volumes Professor Sargent presented it to Harvard University and until his death in 1927, when it numbered more than 37,000 volumes, it was almost entirely his contribution and that of a few of his friends. Since Professor Sargent's death, growth has of necessity been slower, partly because of limited funds. Fortunately through his foresightedness a large proportion of the older important and rare works were procured during his life time, a collection the value of which cannot be overestimated, for it could not be duplicated today, containing as it does thousands of out-of-print works. It is believed to be the largest dendrological library in the world.

"Who may use it and how? It is not a circulating library, but primarily a reference collection for the use of the Arboretum staff; however, research workers and others interested in the study of botany are welcomed to the use of the books within the building. Inter-library loans are often made to other universities and to botanical institutions. When loans cannot be made, the library can and does give much help in other ways; it aids visiting students in looking up needed material, and upon request sends out lists of the best books on a certain subject, it verifies references, types short references when the inquirer cannot visit the library, and while there are no facilities for photostat work at the Arboretum, arranges to have it done at the standard price for this service.

"The photographs, mounted, catalogued and filed in steel cabinets, are also available for consultation. They embrace all the photographs taken by Mr. E. H. Wilson on his trips of exploration undertaken for the Arboretum in eastern Asia, Australasia, India and Africa, and many obtained in the botanical gardens visited by him. A very large number have been acquired by gift, by purchase, and by the later work of Mr. Wilson and other members of the staff. They include photographs of trees and shrubs in the Arboretum and of famous trees in New England, and are arranged in four groups: photographs of men prominent in the botanical and horticultural world, famous gardens, single specimens or groups of specimens, and views taken in the countries explored and in parts of our own country. Where negatives are in possession of the library prints may be made for purchase upon request.

THE LIBRARY OF THE ARNOLD ARBORETUM
(continued)

"The scope of the library. In the words of Professor Sargent, 'Particular attention has been paid to books relating to dendrology, general descriptive botany, the cultivation of trees, the works of travelers in which appear descriptions of trees and of general features of vegetation, and in obtaining complete sets of the periodicals in all languages relating to botany, forestry, and allied subjects.' Special attention has also been given to acquiring books relating to the history and cultivation of trees and shrubs, valued for their economic products, such as tea, coffee, cocoa, oranges and their allies, cinchona, olive, and the mulberry in its relation to silk, since it seemed highly desirable that an arboretum library should contain all possible books on woody plants. Works on paleobotany, plant pathology, physiology and entomology are also included.

"The Arboretum takes pride in its comprehensive collections of floras, periodicals and monographs from nearly every nation of the world, more than thirty-five languages being represented. Here the student may find nearly every reference pertinent to his studies. The Russian literature is particularly extensive, probably equaled in America only in the library of the United States Department of Agriculture. The works on Chinese and Japanese botany have attracted students from China and Japan to study the flora of their own country, as in few places is there to be found so complete a collection. The books on economic botany have proved of distinct value to various commercial firms.

"The Arboretum owns a nearly complete set of the botanical works of the celebrated Swedish botanist Linnaeus and is fortunate in possessing many of the original Linnaean dissertations which are usually rare items in reference libraries. It has also the "Viridarium Cliffortianum," believed to be the only copy in the United States, since the one in San Francisco was destroyed in the earthquake of 1906....

"The collection of Pre-Linnean books comprises more than 1600 volumes. These are the greatest bibliographical treasures in the library, twenty-six items falling into the group "Incunabula"(cradle books), printed before 1500 when printing was in its infancy. Of these "cradle books" the first acquired by the Arboretum was 'Opus ruralium commodorum' by Piero Crescenzi, a book on agriculture; the date is unknown but was probably soon after 1741. Written before the art of printing was developed, it was, because of its importance, one of the first to be put upon the press. Konrad von Megenberg, 'Das buch der natur,' 1475, is our earliest and perhaps most valuable work....

"Many editions of these fifteenth century books were published in the sixteenth, seventeenth and eighteenth centuries, and it has been the practice of the library to obtain as many editions of them as possible....

"The period immediately following the 15th century produced many books of special interest which also are to be found in the Arboretum library. Among these are Wagenheim's 'Beschreibung einiger nordamerikanischen Holz und Buscharten,' 1781, the first book on American trees by a German; Belon's 'De arboribus coniferis,' 1553, the first book on conifers; a copy of Humphrey Marshall's 'Arbustrum americanum,' 1785, the first book on American trees written by an American. The most valuable work of Jacquin, an Austrian botanist, is his 'Selectarum stirpium americanarum historia,' cir. 1780, with hand colored plates. But eighteen (according to some

THE LIBRARY OF THE ARNOLD ARBORETUM
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authorities twelve) copies of this work were issued and at the time the Arboretum copy was obtained it was the only one in this country; there are now copies in the library of the New York Botanical Garden and in the Congressional Library in Washington.

"A large group of books on roses numbers among its items several of outstanding interest. The earliest work, now very rare, is 'Collection of Roses from Nature,' by Mary Lawrence, published in London in 1799. There are, with the frontispiece, ninety-one exquisite plates apparently colored by hand. The only other copy known to be in this country is in the New York Public Library. Little is known of Miss Lawrence except that she was a teacher of drawing, but her book, the first entirely devoted to the rose, will remain always one of the most interesting....

"There are 132 shelves filled with works devoted to the study of special families and genera, 36 to economic botany, 21 to medical botany and several to cryptogamic botany....

"A work in seven volumes of very special interest is 'The Trees of Great Britain and Ireland' with 419 plates, by H. J. Elwes and Augustine Henry. These volumes were the gift of Professor Sargent's English friends and are autographed by the donors. Each volume is bound in a different wood, the binding of volume one (beech) being taken from a portion of the foundation in Winchester Cathedral in the 13th century, which was removed when repairs were made some years ago. The 740 original drawings made by C. E. Faxon for Professor Sargent's 'Silva of North America' are also replete with interest.

"More than seven hundred colored plates of Chinese plants executed by native artists more than one hundred years ago form an interesting collection of original paintings. The colors are well preserved and the drawings have an oriental charm. Over six hundred of these plates were the gift of one man.* Some of the plates represent well known plants that have been introduced into this country but many of them are very rare.

"One of the most important items in the library from the point of view of the working botanist is the tremendous collection of periodical literature from every country in the world, containing as it does tens of thousands of original papers basic to proper research. Over four hundred periodicals, transactions of societies, etc., are currently received, with the number of publications from Russia, central Europe and Asia constantly increasing....

"The collection of works on forestry is unsurpassed in this country, and there is probably not a more complete run of forestry periodicals anywhere in the world, covering as they do all the countries of Europe and Asia and ranging from Forst-Archiv zur Erweiterung der Forst- und Jagd-Wissenschaft, 1788, to the new publications as they appear. The Arboretum periodical titles may be found in the 'Union List of Serials.'

"Besides the works on botany, there is a large collection of books on travel....

"The Arnold Arboretum library is one of few of the larger botanical libraries in America or abroad whose treasures are made accessible to a very wide public through publication of its comprehensive library catalogue, in 3 volumes from 1914 to 1933, two volumes listing the works by authors and one by subjects.

*For fuller account, see the Arboretum Journal, vol. 11, pp. 131-132. 1930.

THE LIBRARY OF THE ARNOLD ARBORETUM
(continued)

"To a very remarkable degree this great specialized reference library supplements and completes the other special libraries in and near Boston, such as the Gray Herbarium and the Farlow libraries in Cambridge, and various other units of Harvard University, the Massachusetts Horticultural Society Library and that of the New England Museum of Natural History. Richest and most extensive of all of these within the botanical field, it offers to the seekers of knowledge from printed books on plants and plant science a most unique opportunity. As it stands today it is one of the great botanical libraries of the world, a monument, like the Arboretum itself, to the ability, vision and interest of Charles Sprague Sargent, who made it possible and through whose benefactions it is constantly being increased."

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BIOLOGICAL ABSTRACTS

[Extracts from an article in Science for May 28, 1937, entitled "The Union of American Biological Societies and Biological Abstracts", by Dr. E. V. Cowdry, President of the Union]

"The service, issuing its first volume in 1927 and its eleventh in 1937, was made possible by support from the Rockefeller Foundation. This subsidy expired in 1935. A review of the situation in 1935 by a special Committee on Biological Abstracts of the Science Advisory Board led to the conclusion that the value of the instrument was thoroughly established and that every means would be sought for its permanent support. This special committee, now a subcommittee of the Government Relations and Science Advisory Committee of the National Academy of Sciences, is endeavoring to develop a stable and adequate financial basis for Biological Abstracts. In these efforts the Union, the Board of Trustees of Biological Abstracts and the Division of Biology and Agriculture of the National Research Council are lending their fullest cooperation. Meanwhile the service is in a very precarious position, being maintained by temporary emergency measures, including financial contributions from the member societies of the Union, either through membership assessments or treasury grants...

"Contributing as volunteer abstracters and section editors, and often as subscribers as well, biologists individually, both here and abroad, have from the beginning lent very impressive support. This, and the increasing material contribution from the organized societies of biologists, is indicative of the wide-spread determination to maintain and develop Biological Abstracts. But, as clearly foreseen from the beginning, such support, including subscription income, probably at best can not provide more than one third of the funds necessary to maintain Biological Abstracts adequately, even in the immediate future. At the same time, such support on a still broader basis is indispensable to the present efforts to secure the necessary additional permanent funds from other sources.

"The adequate solution of the financial problem of Biological Abstracts is admittedly difficult. But in view of the investment made, the service already rendered and the great potentialities ahead, it is incredible that it should now fail for lack of adequate financial support."

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THE WESTERN STATES EXTENSION CONFERENCE

For the "Western States Extension Conference" held at the Davenport Hotel, Spokane, Washington, May 24-27, a program was issued entitled "Western States Extension Conference. Conference Topics: 'Range Management and Range Livestock', 'Home Demonstration Supervision'. This should be preserved for in it was included an interesting article entitled "A Bit of History", by W. A. Lloyd, in charge of Western Section, Extension Service, U. S. Department of Agriculture. From the extracts below will be seen how the regional approach to the consideration of agricultural problems had its inception:

"At the meeting of the Land-Grant College Association in Washington, D.C., in November, 1922, a group of western extension directors and the regional agent for the Western States were lunching together. They were discussing a program for a Western States Extension Conference to be held some time during 1923. The talk turned to what extension projects should receive special emphasis in view of existing conditions. This disclosed a wide variety of projects in the several States but also a most remarkable community of objective. Some one, perhaps a bit of a philosopher, remarked, 'Isn't this group of Western States something more than just an administrative division of the Extension Service - something more than a geographic sub-division of the United States? Isn't the west, in a way, an economic unit with common problems, and might not the Western States have such a community of interest as to warrant a regional approach to program making instead of a community, county or State approach?' The table-talk became very stimulating. One suggested the West was a sparsely settled region, and for that reason, extension work was quite different and community effort more difficult; another that as a rule the region had scanty rainfall, hazardous in many seasons for the growing crops; another that it was almost uniformly a high altitude section; another that the West had a long distance to go to market; and still another that the West always would be predominantly a range livestock country, and so it went. Long after the afternoon Land-Grant program was under way the luncheon discussion continued.

"The net result of this luncheon conference was the appointment of a committee to develop a program and inventory the possibilities of a regional approach to program making. It was decided that range livestock was to be one of the subjects for the conference because this subject predominated in almost every State. During the following months plans were developed, range councils were appointed in each of the State colleges to bring together all the research work of the Experiment Stations bearing on the range problem. A similar committee was appointed in the U. S. Department of Agriculture.

"The conference was held at Fort Collins, Colorado, November 5 to 9, 1923. Here all the material developed by the States and the Department committees was assembled and for three days it was analyzed and discussed. In addition to the State representatives there were 18 scientists and administrative officers from the Bureau of Agricultural Economics, Plant Industry, Forest Service, Biological Survey, Weather Bureau and the Extension Service of the Department of Agriculture.

"The results of the conference were printed in Department Circular No. 208, 'An Extension Program in Range Livestock, Dairy and Human Nutrition for the Western States.' So was born the regional approach to the consideration of agricultural problems. It was an inconspicuous beginning, but the novelty of it attracted widespread attention. Fourteen years ago this regional approach may to some have seemed provincial, but it needs no apologist now. It is fashionable; everybody is doing it."

MISCELLANY

In connection with the celebration of the 25th anniversary of the Brooklyn Botanic Garden, there was an exhibit illustrating the progress of development of the Botanic Garden. One of the features of the exhibit was a selection of some of the incunabula and other rare books and manuscripts in the Botanic Garden Library.

The Biennial Report of the California State Library for the fiscal years 1935 and 1936 contained the following note about a new county library: "One of the signs of economic recovery during the past two years is the revival of interest in the establishment of county libraries on the part of people who live in those counties where such libraries do not exist. In Placer County this interest became so general and so articulate that on May 6, 1936, the board of supervisors passed a resolution of intention to establish a county library and followed it by taking final action at its meeting on June 2d. The part of the county library organizer in the Placer County campaign was played from behind the scenes. She furnished the necessary facts, figures and comparative data for the local organizing which was carried on by Placer County organizations under the energetic and effective leadership of Mrs. Elizabeth Robinson of Auburn. This is the first county library to be established for ten years."

The editorial in the June issue of the Experiment Station Record is devoted to "Some recent developments in documentation", including an account of the organization of the American Documentation Institute, Inc., with which the Library of the Department is cooperating in the operation of the Bibliofilm Service.

Mr. James G. Hodgson, Librarian of the Colorado State College, reports that "High praise for the intelligent use of N. Y. A. labor by the Colorado State College was made in the reports of investigators for the administration, and particular mention was made of the activities in the library. These included assistance on the preparation of a list of publications of present and former members of the college and station staff, the photographing of author cards for the Rocky Mountain Bibliographical Center for Research at Denver, the revision of the serial lists, changes in the charging system, and a number of other projects."

Mr. Hodgson further reports that "Miss Laura I. Makepeace, technical librarian of the Colorado State College Library, has in preparation a bibliography on cats and dogs. The work has been in progress a number of years but is now assuming such proportions that it is hoped that a fairly complete list will be finished within another year."

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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
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NOTED PAINTER AIDS GOVERNMENT IN WAR AGAINST FOREST FIRES

"President Roosevelt has accepted for the Government the James Montgomery Flagg painting showing Uncle Sam in the uniform of a Forest Ranger pointing toward a burning forest and the words 'Your Forests - Your Fault - Your Loss.' It is the noted painter's contribution to fire prevention and will aid the Forest Service of the U. S. Department of Agriculture in a campaign to halt the economic and recreational losses that follow forest fires that sweep over 40,000,000 acres each year.

"'Your Forests - Your Fault - Your Loss' began last month a nation-wide tour. Through the aid of cooperating agencies poster copies of the painting are to be distributed throughout the country.

"The Chief of the Forest Service, commenting upon the painting, said: 'Famous for his war posters, "I Want You," "Armless," "Tell It to the Marines," "Don't Read American History - Make It," and 42 others which he gave to the Government during the World War, Mr. Flagg has dedicated his latest 'war poster' to the war against forest fires."

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PURCELL, J., and others. 4-H livestock manual. (Ga. Agr. Col. Ext. Bul. 442, rev.) Athens, 1937.

WESTBROOK, E. C., and others. 4-H farm crops manual. (Ga. Agr. Col. Ext. Bul. 443, rev.) Athens, 1937.

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* Prepared in Office of Experiment Stations Library.

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- HUELSEN, W. A. Growers contracts for sweet corn. (Ill. Univ., Agr. Expt. Sta. and Ext. Serv. Circ. 472.) Urbana, 1936.
- FLINT, W. P., and MCCAULEY, W. E. Fabric insects - How to combat them in the home. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 473.) Urbana, 1937.

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- JORDAN, R., and MASTEN, M. Jellies, jams and preserves. (Purdue Univ. Dept. Agr. Ext. Ext. Bul. 146, rev.) Lafayette, 1937.
- MENEFEE, E. R. Marketing eggs and poultry in Indiana. (Purdue Univ. Dept. Agr. Ext. Ext. Bul. 172, 2d rev.) Lafayette, 1937.
- TODD, L., and DOYLE, L. P. Practical sanitation to control poultry diseases. (Purdue Univ. Dept. Agr. Ext. Ext. Bul. 173, 2d rev. ed.) Lafayette, 1937.
- KOHLMEYER, W., and SCHNETZLER, E. E. Raising turkeys in Indiana. (Purdue Univ. Dept. Agr. Ext. Ext. Bul. 219.) Lafayette, 1937.

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- Key to the radio programs of station KSAC, June 1937. (Kans. State Col. Ext. June 1937) Manhattan.

Maine

- BOWLES, R. C., and COBB, E. M. Fundamentals of home decoration. (Maine Agr. Col. Ext. Bul. 239.) Orono, 1937.

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- SNYDER, G. B., and DEMPSEY, P. W. Tomato production in Massachusetts. (Mass. State Col. Ext. Leaflet 51 [rev.]) Amherst, 1937.
- KLEIN, G. T. Feed hoppers. (Mass. State Col. Ext. Leaflet 76 [rev.]) Amherst, 1937.
- DONALDSON, R. W. Liming Massachusetts soils. (Mass. State Col. Ext. Leaflet 134 [rev.]) Amherst, 1937.
- MUNSON, W. A. Annual report of the Massachusetts Extension service for 1936, Massachusetts State College, Amherst. (Mass. State Col. Ext. Leaflet 168.) Amherst, 1937.

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- WINTER, J. D., and others. Packing Minnesota fruits for market. (Minn. Univ. Agr. Ext. Spec. Bul. 134.) University Farm, St. Paul, 1937.

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Published in cooperation with Montana State College, North Dakota Agricultural College, South Dakota State College and Iowa State College.

NEUBAUER, L. W. Improved building foundations. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 62.) University Farm, St. Paul, 1937.

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CARL, F., and FOSTER, R. Yeast bread made from soft wheat flour. (Mo. Agr. Col. Ext. Circ. 367.) Columbia, 1937.

TASCHER, W. R., and CLARK, M. W. Conserving soil by strip cropping. (Mo. Agr. Col. Ext. Circ. 368.) Columbia, 1937.

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New Jersey

Farmer's five foot shelf. Discussion bibliography number 1. (N. J. Agr. Col. Ext. RS 26.) New Brunswick, 1937.

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GRISWOLD, G. H. Common insects of the flower garden. (N. Y. Agr. Col. (Cornell) Ext. Bul. 371.) Ithaca, 1937.

LaMONT, T. E. Land utilization and classification in New York and its relation to roads, electricity, and reforestation. (N. Y. Agr. Col. (Cornell) Ext. Bul. 372.) Ithaca, 1937.

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FLOYD, E. Y. Producing quality burley tobacco in North Carolina. (N. C. Agr. Col. Ext. Circ. 214.) State College Station, Raleigh, 1937.

WEAVER, D. S. Simple water systems for the farm home. (N. C. Agr. Col. Ext. Folder 37.) State College Station, Raleigh, 1937.

North Dakota

THOMAS, E. J., and others. Construction of small dams for farm and community use. (N. Dak. Agr. Col. Ext. Circ. 154.) State College Station, 1937.

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- SALTER, F. J. Soil testing as a guide to soil management. (Ohio Agr. Col. Ext. Bul. 190.) Columbus, 1937.
Facts about our foreign trade in farm products. (Ohio Agr. Col. Ext. Fact Ser. 22.) Columbus, 1937.

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- HYSLOP, G. R., and SCHOTH, H. A. Rape. (Oreg. Agr. Col. Ext. Bul. 499.) Corvallis, 1937.
Cost-weight table: Table for determining cost per pound of a product. (Oreg. Agr. Col. Ext. Bul. 501.) Corvallis, 1937.
WILSTER, G. H. The production of milk and cream of high quality. (Oreg. Agr. Col. Ext. Bul. 502.) Corvallis, 1937.

South Carolina

- CUSHMAN, C. G. The family dairy cow. (Clemson Agr. Col., S. C., Ext. Circ. 157.) Clemson, 1937.

Tennessee

- KELLER, L. L., and JOHNS, M. M. Farm home electrification. (Tenn. Univ. Agr. Ext. Pub. 198.) Knoxville, 1937.
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Mimeographed.
KELLER, L. L. Storage space for farm homes. (Tenn. Univ. Agr. Ext. Pub. 203.) Knoxville, 1937.
KELLER, L. L. Home-made mattresses, bedspreads, wool comforts. (Tenn. Univ. Agr. Ext. Pub. 204.) Knoxville, 1937.
Mimeographed.
KELLER, L. L. Posture and footwear. (Tenn. Univ. Agr. Ext. Pub. 205.) Knoxville, 1937.
Mimeographed.
KELLER, L. L. Aids in good grooming. (Tenn. Univ. Agr. Ext. Pub. 206.) Knoxville, 1937.
Mimeographed.
GUTHRIE, M. L. A food supply program for Tennessee farm homes. (Tenn. Univ. Agr. Ext. Pub. 207.) Knoxville, 1937.
HENDRICKS, H. E. Lime, phosphate and legumes in the 1937 agricultural conservation program. (Tenn. Univ. Agr. Ext. Pub. 208.) Knoxville, 1937.

Texas

- WILLIAMSON, H. H. Texas Extension work, 1936. [Annual report] (Tex. Agr. Col. Ext., 1937) College Station.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1937

Texas
(continued)

- ROSBOROUGH, J. F. Hotbeds for home gardens. (Tex. Agr. Col. Ext. [Circ.] C-110.) College Station, 1937.
- Daily meal planning chart. (Tex. Agr. Col. Ext. [Circ.] C-111.) College Station, 1937.
- BARNES, D. R. 4-H club girls sew a fine seam. (Tex. Agr. Col. Ext. [Circ.] C-115.) College Station, 1937.
- DILWORTH, L. M. Vegetable cookery. (Tex. Agr. Col. Ext. [Circ.] C-116.) College Station, 1937.
- BARNES, D. R. Look your best! (Tex. Agr. Col. Ext. [Circ.] C-117.) College Station, 1937.

Wyoming

- JENNINGS, E., and OLLER, G. Handbook for second year Wyoming 4-H food club work. (Wyo. Agr. Col. Ext. Circ. 63.) Laramie, 1937.

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LIST OF PERIODICALS CURRENTLY RECEIVED
IN THE LIBRARY OF THE U. S. DEPARTMENT OF AGRICULTURE

The List of Periodicals Currently Received in the Library of the U. S. Department of Agriculture on June first, 1936, has just been published as Miscellaneous Publication of the Department No. 245. The list is in two parts, the first being the list of titles arranged alphabetically and the second the list of titles arranged according to subject. Part 3 is a key to the subjects.

The list does not include publications received by the Weather Bureau Library. With a few exceptions it does not include mimeographed publications nor farm bureau and agricultural extension publications. It also does not contain general newspapers. In the case of the publications of the United States Department of Agriculture and the State experiment stations, only regular periodicals are included, not bulletins and circulars. The same is true of the publications of other United States Government departments.

This present general list supersedes three previous general lists of periodicals received by the Library: (1) Catalog of the Periodicals and Other Serial Publications in the Library, issued in 1901 as Library Bulletin 37, which included all of the Library serial holdings on that date; (2) List of Periodicals Currently Received in the Library, issued in 1909 as Library Bulletin 75; and (3) List of Serials Currently Received in the Library of the United States Department of Agriculture, which was issued in January 1922 as Department Circular 187. The list issued in 1909 was similar in scope to the present list in that it included only regular periodicals. The former included 1,575 titles as compared with 3,871 in the present list.

The list was compiled by Elizabeth G. Hopper, Assistant Chief, Periodical Division, under the direction of Lydia K. Wilkins, Chief of the Division.

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NOTES ON PERIODICALS

- The Agricultural digest; a monthly review of agricultural progress and opinion. Salem, O. Discontinued with v. 4, no. 12, Dec. 1936.
- American journal of pharmaceutical education. College of Pharmacy, University of Nebraska, Lincoln, Neb. quar. 8°. v. 1, no. 1, Jan. 1937. \$2.00 a year. single copy, 50¢. Official publication of the American association of colleges of pharmacy.
- Argentine Republic. Comisión nacional de granos y elevadores. Buenos Aires. Publicación. irreg. 8° (no. 1, 4°) no. 1, 1936. No price given.
- Bank of London & South America, limited. Fortnightly review of business and economic conditions in South and Central America, Portugal, etc. 6, 7 and 8, Tokenhouse Yard, London, E. C. 2. 4°. v. 1, no. 1, Oct. 10, 1936. No price given. Formed by the Union of its Cabled reports circular with its Monthly review of business and trade conditions in Central and South America and Portugal.
- Cellulosechemie; zeitschrift für die gesamte chemie und physik der cellulose sowie der ihr verwandten stoffe. Berlin. Absorbed by Der Papier-fabrikant with jahrg. 35, hft. 1/2, Jan. 8, 1937.
- The Electrical age. 20, Regent St., London, S. W. 1. quar. 4°. il. v. 3, no. 3, July 1936. Quarterly magazine of the Electrical association for women, incorporated.
- Flowers and gardens. Madison Cooper, Editor and owner, Calcium, N. Y. mo. 4°. il. v. 1, no. 1, Jan. 1937. \$1.00 a year; single number, 10¢.
- Illinois. University. College of agriculture. Agricultural extension service. Monthly poultry suggestions. Urbana, Ill. mo. 4°. Jan. 1937. (Its [Publications] ser. AH553)
- Timely topics for 4-H club leaders in agricultural projects. Urbana, Ill. mo. 4° fold. to 8°. Jan. 1937. (Its [Publications] ser. ES725)
- Le Journal d'agriculture. Montreal. Discontinued with v. 40, no. 12, Sept. 1936.
- Journal of wildlife management. Published four times a year in January, April, July, and October at 450 Ahnaip Street, Menasha, Wisconsin, by The Wildlife Society. Subscription \$3.00 a year. Single copies, 75¢.
- "Devoted primarily to the publication of original articles of the highest quality obtainable, bearing on wildlife research, management and administration... Articles that have been published or accepted for publication elsewhere will not, as a general rule, be accepted for the Journal... In accordance with this principle, so long as the Biological Survey maintains 'Wildlife Review' at its present standard, no service rendered by that periodical, which is sent free to any who request it, will be duplicated by The Journal of Wildlife Management. However, critical reviews will have a place in the Journal when apparently required for the welfare of the profession." (From v. 1, no. 1, page 1)
- Manitoba co-operator. Winnipeg. Merged in the Western Producer, v. 14, no. 19, Jan. 7, 1937. (v. 12, no. 12, Dec. 1936 last published)
- New York (State). Conservation department. Bureau of fish culture. Fish culture. Albany, N. Y. Discontinued with v. 3, no. 4, April, 1937. Merged with The Progressive fish culturist, issued by the U. S. Bureau of fisheries.

NOTES ON PERIODICALS
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Pennsylvania planning. Pennsylvania state planning board. 928 N. 3d St., Harrisburg, Pa. 8^o. map. v. 1, no. 1, May 1937.
Shenandoah nature journal. Shenandoah nature society, Luray, Va. quar. 8^o. il. v. 1, no. 2, winter issue, 1936-37. Non-resident membership in society, including subscription to publications, \$1.00 a year; resident, \$2.00 a year.
Southern farm leader. P. O. box 859, New Orleans, La. mo. f^o. il. v. 1, no. 6, Oct. 1936. Subscription rates: For farmers, 25¢ a year; supporting subscriptions, \$1.00 a year. Official organ Share croppers union.
Wiadomosci zierlarskie [Medicinal herb news]. Polski komitet zierlarski, Warszawa, ul. Długa 16. mo. 8^o. il. rocznik 5, nr. 1 (45) Jan. 1937. Official organ of Polski komitet zierlarski.

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Miscellaneous

American newspapers 1821-1936, a union list of files available in the United States and Canada, ed. by Winifred Gregory under the auspices of the Bibliographical society of America. New York, Wilson, 1937. 791 p.
241.9 Am36
Chamber of commerce of the United States of America, Washington, D. C. Construction and civic development dept. Bibliography on the reorganization and consolidation of local government. Washington, 1936. 16 p.
Reprinted 1936. 241.3 C35
Gordon, R. A., comp. A selected bibliography of the literature on economic fluctuations, 1930-36. Cambridge, Harvard university press, 1937.
(Review of economic statistics. v. 19, no. 1, pt. 2) 241.3 G65
Imperial bureau of soil science, Harpenden, Eng. Soil research in the British empire published 1935. Harpenden, 1936. Mimeographed. 241 Im7So
Landis, B. Y., comp. A guide to the literature on consumer movements: books, pamphlets and articles on consumer cooperatives and other consumer movements. New York city, Consumer distribution corporation, 1937. 11 p.
241.3 L23G
Shores, L. Basic reference books, an introduction to the evaluation, study and use of reference materials with special emphasis on some 200 titles. Preliminary ed. Chicago, American library association, 1937. 406 p.
Planographed. 243.3 Sh7
Textile institute. Library catalogue. Ed. 2. Manchester, Eng., 1936. 79 p.
241.4 T31 Ed.2
U. S. Dept. of labor. Consumers' project. A selected list of government publications of interest to consumers. Mar. 1937. Washington, 1937. 14p.
158.241 Se4
Vanderblue, H. B. Adam Smith and the "Wealth of nations": an adventure in book collecting and a bibliography. Boston, Baker library, Harvard graduate school of business administration, 1936. 14 p. 241.3 V28
Washington (State) State planning council. Water resources division. Water resources, state of Washington. Bibliography of publications, 1869-1936. Olympia, Wash., 1936. Mimeographed. 280.7 W2794

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during June 1937, exclusive of bibliographies *
and current issues of serials.**

Agricultural Adjustment Administration

Relation of farm and non-farm income to the volume of advertising. By L. H. Bean. Statement made before the 4th annual Conference of editors of the farm press, Washington, D.C. May 13, 1937. 6 p. 1.94 Ad472Rf

Some economic aspects of the filbert industry, with particular reference to trends in the supply of filberts and of other tree nuts. James Poole. June 9, 1937. Issued by General crops section. Economics analysis unit. 20 p. 1.94 Sp3Sef

Bureau of Agricultural Economics

Agricultural economics charts. 1937. 152 p. 1.9 Ec731E

Agricultural imports classified on the basis of their competitive nature and tariff status. By C. F. Wells. June 1937. 30 p. 1.9 Ec752Aim

Cotton and other materials utilized in bags for cement. By R. J. Cheatham and R. Whitaker. 1937. 24 p. (Utilization of American cotton series. no.18) 1.9 Ec733Cmu

Cotton utilization and new industrial uses. By R. J. Cheatham. June 1937. 12 p. 1.9 Ec733Cut

Farm production from meat animals by states. 1935-1936. June 1937. 19 p. 1.9 Ec71Fp

Income parity for persons on farms. By O.C.Stine. 1937. 10 p. Address, Western farm economics association, Reno, Nev., June 24-26, 1937. 1.9 Ec752Ip

Joint report of the Special committee on the turkey industry. June 1937. 28 p. In cooperation with Bureau of animal industry, Agricultural adjustment administration, Farm credit administration. 1.9 Ec7Sct

Quality of cotton ginned in Alabama crops of 1928-36. By W. B. Lanham, F. H. Harper, and N. B. Clyde-Burton. 1937. 59 p. 1.9 Ec733Qa

Some effects of the world war on cotton. By M. R. Cooper. June 1937. 15 p. 1.9 Ec752Sef

Tobacco inspection, market news, and demonstration services (Flue-cured) By H. W. Taylor. 1937. 17 p. 1.9 Ec714Ti

*Bibliographies included in general list of bibliographies on page

**For a list of the principal series issued regularly, see v.9, no.10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

Wild hay revisions, 1912-1923. June 1937. 5p. Issued by Crop reporting board.
1.9 Ec71Hw

Bureau of Agricultural Engineering

Irrigation and the conservation of the range. By W.W. McLaughlin. Presented at Western states extension conference, Spokane, Wash., May 24-28, 1937. 20 p. Issued by Division of irrigation. 1.9 En34Ir

Bureau of Animal Industry

Infectious equine encephalomyelitis. By L.T. Giltner and M. S. Shahan. 1937. 8 p. Issued by Pathological division. 1.9 An56Ie

Biological Survey

Birds in relation to fishes. By C. Cottam and F.M. Uhler. 1937. 16 p. (Wildlife research and management leaflet BS-83) Issued by the Section of food habits, Division of wildlife research. 1.9 B524W

Hemorrhagic septicemia of domestic rabbits. Contagious nasal catarrh (snuffles), subcutaneous abscesses (boils), and other forms. By F.D. McKenney and J.E. Shillinger. 1937. 5 p. (Wildlife research and management leaflet BS-90) Issued by the Section of disease control, Division of wildlife research. 1.9 B524W

Research studies in the control of destructive mammals. By F.E. Carlough. 1937. 12 p. (Wildlife research and management leaflet BS-91) Issued by the Control methods research laboratory, Division of game management. 1.9 B524W

Bureau of Chemistry and Soils

1936-37 annual naval stores report on production, distribution, consumption and stocks of turpentine and rosin of the United States by crop years, issued June 1, 1937. Comp. by F. P. Veitch and C. F. Speh. 11 p. Issued by Naval stores research division. 1.9 C4929An

Report of studies on uniformity of quality of sugars. Issued June, 1937. 21 p. 1.9 C4921R

Results of recent investigations on the spontaneous heating and ignition of hay. By H. E. Roethe. Annual meeting of the American society of agricultural engineers, Urbana, Ill. June 24, 1937. 9 p. Issued by Chemical engineering research division. 1.9 C4922Rr

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Bureau of Dairy Industry

How to make silage from hay crops. 1937. 1 p. 1.9 D147Ho

The losses of dry matter in corn silage stored in snow-fence silos and the cost per ton of storage (Abstract) By J.B. Shepherd. 4 p. (BDIM-879) Presented at the meeting of the American dairy science association, Lincoln, Nebraska, June 1937. Issued by Division of cattle breeding. 1.9 D143L

Outline of dairy cattle demonstration. 6 p. (BDIM-729. Revised June 1, 1937) 1.9 D143O

Variations recorded in the study of the conformation and anatomy of 593 dairy cows having records of production (revised to June 30, 1936) By W.W. Swett, C.A. Matthews, F.W. Miller and R.R. Graves. June 1937. 23 p. (BDIM-589 rev.) Issued by Division of dairy cattle breeding. 1.9 D143V

Extension Service

4-H club girls exhibit results of their work. Assembled by F. L. Hall. 1937. 31 p. (Miscellaneous extension pub. no. 39) 1.9 Ex892Mi

Group discussion and the problems of farm young people. By E. Merritt. 1937. 18 p. (Extension service circular 263) 1.9 Ex892Esc

Food and Drug Administration

Revised regulations for inspection of canned shrimp, effective July 1, 1937. 12 p. 1.9 F7325Re

Forest Service

Annual report and program, 16th, 1936/37, of Appalachian forest experiment station, Asheville, N. C. 41 p. 1937. 1.9 F7623A

Annual report for 1936 and program for fiscal year 1938 of Northern Rocky mountain forest and range experiment station, Missoula, Mont. 1937. 77 p. 1.9 F7628An

Foreign woods. Teak. May 1937. 11 p. 1.9 F76Fwo

Forest conservation; a series of units for high school social studies teachers. 1937. Sections separately paged. 1.9 F76Fco

American woods. Incense cedar (*Libocedrus decurrens*) by H.S. Betts. May 1937. 5 p. 1.9 F76Am

The opportunity for forestry in Louisiana's agricultural program. By E.L. Demmon June 11, 1937. 8 p. (Occasional paper no. 63) Issued by Southern forest experiment station, New Orleans, La. 1.9 F7624O

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The place of forests on a land-use program for the south. By R. K. Winters. June 7, 1937. 6 p. (Occasional paper no.62) Issued by Southern forest experiment station, New Orleans, La. 1.9 F76240

Range research in the United States by W. R. Chapline. 1937. 16 p. Issued by Division of range research. 1.9 F763R

Sawmills in the lower south, a progress report, by the Southern forest survey. I. F. Eldredge. May 3, 1937. 7 p. (Forest survey release no.25) Issued by Southern forest experiment station, New Orleans, La. 1.9 F7624F

What the station has done in 1936/37. Annual investigative report. April 10, 1937. 25 p. Issued by Lake states forest experiment station, St. Paul, Minn. 1.9 F7625I

Soil Conservation Service

Advance report on the sedimentation survey of Lake Bracken, Galesburg, Ill., July 9-Aug. 15, 1936, by V. H. Jones. 1937. 9 p. (SCS-SS-14) 1.96 R31R

Advance report on the sedimentation survey of Lake Calhoun, Galva, Ill., July 23-Aug. 6, 1936, by L. M. Glymph, jr. and V. H. Jones. 1937. 9 p. (SCS-SS-16) 1.96 R31R

Advance report on the sedimentation survey of Lay reservoir, Clanton, Ala., Jan. 27-July 24, 1936, by F. F. Barnes. 1937. 13 p. (SCS-SS-13) 1.96 R31R

Advance report on the sedimentation survey of West Frankfort reservoir, West Frankfort, Ill., Aug. 19-Sept. 12, 1936, by V. H. Jones. 1937. 9 p. (SCS-SS-15) 1.96 R31R

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NOTE: There is no one office in the Department from which mimeographed publications can be obtained and in the case of some of the bureaus there is no central office from which the mimeographed publications of the various offices of the bureau can be obtained. It is therefore most important that requests for mimeographed publications be addressed (1) to the bureau which issued them and (2) that the name of the office be added if an office is included in the entry. Only in the case of the publications entered under the Secretary's office should requests be addressed to the Office of Information. In the case of each request, full information should be given. It would also be a help in filling requests if in each case the volume and number of "Agricultural Library Notes" in which the reference to the publication was seen, is given. As a general rule mimeographed publications are not intended for general distribution as are printed publications. Care in requesting them is therefore important.

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PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING

Compiled by Cora L. Feldkamp,
Librarian Office of Experiment Stations

I. Extension Publications

Arkansas

1930. Establishing a farm library. Ark. Agr. Col. Ext. [unnumb.] 4 p. illus.

California

1922. Select list of books of use to home demonstration agents. Calif. Agr. Col. Ext. H. D. 87, 5 p. Mimeographed.
1930. Nutrition program: constipation reference list. Calif. Agr. Col. Ext. H. D. 322, 2 p.
1932. Child development and parent education program. Reference material for parents. Calif. Agr. Col. Ext. H. D. 406, 5 p. Mimeographed.
1932. Child development and parent education program. References on play and play materials. Calif. Agr. Col. Ext. H. D. 405, 2 p. Mimeographed.

Connecticut

1920. Savage, Z. F. Books make best Christmas gifts. Conn. State Col. Ext. Serv. News v. 4, no. 5, p. 2-3, 5-6.

Illinois

1922. A list of books for the farmer's library. Ill. Sta. Circ. 251, 27 p. illus.

Indiana

- [1910?] Agricultural books for farm homes, school and public libraries, premiums in young people's contests, corn shows, etc. Purdue Univ. Dept. Agr. Ext. A. E. Form 5, 4 p. illus.

Iowa

1924. Some good books for a farm home. Iowa State Col. Ext., Programs for meetings, v. 2, no. 1, p. 6-7.
1931. Jones, A. H. Treasures in books for boys and girls. Iowa State Col. Ext., Child Care and Training Booklets [unnumb.] 20 p., illus. References, p. 19.

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING

Iowa
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1932. Stacy, W. H. How to obtain books, ways and means by which Iowa farm people may secure library services, books and bulletins. Iowa State Col. Ext. Bul. 180, 4 p. illus.

Kansas

1916. Home-study service. Announcement of courses and general information. Part I. Free reading courses. Kans. Agr. Col. Ext. Circ. 15, 36 p.

Kentucky

1927. Lacy, E. Selected books for club members. Ky. Agr. Col. Ext. Circ. 207, 14 p. illus.

Massachusetts

1917. Rand, F. P. A guide to reading in English fiction. Mass. Agr. Col. Ext. Circ. 12, 4 p.

Michigan

- [1907-1914?] Michigan Agricultural College. Department of Agricultural Education. The college extension reading course, 1908, 1909, 1911/12, 1912/13, 1913/14, 1914/15.

1925. Home reading courses. Mich. State Col. Ext. [unnumb.] 11 p.

Minnesota

1923. Balmer, F. E. The country book shelf. Minn. Univ. Agr. Ext., Minn. Ext. Serv. News v. 2, no. 6, p. 8-10; v. 2, no. 9, p. 8-11.
1925. The country bookshelf. Prepared by the Committee on Agricultural Reading of the Minnesota Library Association. Minn. Univ. Agr. Ext. [unnumb.] 16 p.

Mississippi

1932. Jordan, A. O. Furnishing the farm home: 4-H club girl's bedroom. Miss. State Col. Ext. Bul. 60, 50 p. illus.
"Books," p. 38-39.

Nebraska

1922. Pier, H. B. Music, reading, and pictures in the home. Nebr. Agr. Col. Ext. Circ. 1114, 6 p. Mimeographed.

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING

Nebraska
(continued)

1923. Searson, J. W. Story telling and the child's library. Nebr. Agr. Col. Ext. Circ. 562, 4 p. Mimeographed.
1924. Searson, J. W. Favorite American story-tellers. Nebr. Agr. Col. Ext. Circ. 570, 10 p. Mimeographed.
1924. Searson, J. W. Poems and short stories of country life. Nebr. Agr. Col. Ext. Circ. 568, 8 p. Mimeographed.
1928. Green, N. K. The story of the prairie. Nebr. Agr. Col. Ext. Circ. 594, 8 p. Mimeographed.
1928. Williams, N. "The country library comes to the people." Nebr. Agr. Col. Ext. Circ. 592, 3 p. Mimeographed.
1933. Reading for children. Nebr. Agr. Col. Ext. Circ. 5596, 4 p.

New Hampshire

1919. Winter reading courses in agriculture and home economics. N. H. Agr. Col. Ext. Circ. 45, 7 p. illus.
1928. 4-H project and leadership reference material. N. H. Agr. Col. Ext. 4-H Leaders' Guide, Sup. 3, 8 p. Mimeographed.
1937. Recreation program 1935 for home demonstration groups. 3. Reading. N. H. Agr. Col. Ext. N. H. R. B. S. 24-III, 5 p. Mimeographed.

New Jersey

1936. Reading suggestions for the 4-H girl. N. J. Agr. Col. Ext., New Jersey 4-H Homemaking Program, B-1 - B-4.

New York

- 1898-1923. Cornell University - College of Agriculture. Cornell reading course for farmers, nos. 1-50. 1898-1910; Cornell reading course for farmers' wives, nos. 1-28, n.s. 1-8. 1901-1910; Cornell reading courses, nos. 1-107. 1910-1916; Cornell reading course for the farm home. Lessons nos. 108-139. 1916-1919; Cornell reading courses for the farm, nos. 108-163. 1916-1923.
1929. Felton, R. A., and Beal, M. Library of the open road. Cornell Ext. Bul. 188, 50 p. illus.

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING

New York
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1933. Instructions for leaders of 4-H clubs in agriculture and homemaking.
Cornell Junior Ext. Bul. 36, rev., 27 p. illus.
"A list of reference books for 4-H club leaders and club members," p. 25-27.
1934. A reading list for parents prepared by the Department of family life. Cornell Ext. Bul. 303, 12 p.
1934. Reeves, K. Growing up with books: the youngest needs his own books. Cornell Ext. Bul. 299, 16 p. illus. Bibliography, p. 13-16.

Ohio

1906. Graham, A. B. The school library. Ohio Agr. Col. Ext. Bul. v. 2, no. 1, p. 10-11, illus.
1919. Graves, W. L. Reading in the farm home. Ohio Agr. Col. Ext. Bul. v. 15, no. 2, 12 p.
1920. Lantis, L. O. Books for a farmer's library. Ohio Agr. Col. Ext. Bul. v. 15, no. 20, 31 p. 1919-20.
1924. They let good books make half the diet. So questionnaire of club youngsters reveals. Ohio Agr. Col. Ext. Serv. News v. 10, no. 6, p. 5.
1928. Ries, V. H. Condensed list of floriculture bulletins and books. Ohio Agr. Col. Ext. [unnumb.] 8 p.
1936. Weed, F. C. Choosing book friends. Ohio Agr. Col. Ext. Bul. 180, 32 p. illus.
1936. Weed, F. C. Round the world with books. Ohio Agr. Col. Ext. Bul. 183, 48 p. illus.

Pennsylvania

- [1910?] List of books for a farmer's library. Penn. State Col. Ext. Circ. 10, 4 p.

South Dakota

1930. Rural reading. S. Dak. State Col. Ext., Program Service for Rural Meetings, Nov., 9 p. illus. Mimeographed.

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING

South Dakota
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1931. Lewis, L. J., and Dolve, M. A. Reading in the home: the novel, second year. S. Dak. State Col. Ext. Circ. 311, 11 p. illus.
1932. Lewis, L. J., and Dolve, M. A. Reading in the home. S. Dak. State Col. Ext. [unnumb.] 8 p. illus. Mimeographed.
1932. Lewis, L. J., and Dolve, M. A. Reading in the home: knowing America through books, third year. S. Dak. State Col. Ext. Circ. 330, 6 p. illus.
1933. Lewis, L. J., and Dolve, M. A. Reading in the home: knowing other countries through books, fourth year. S. Dak. State Col. Ext. Circ. 334, 10 p. illus.
1934. Lewis, L. J., and Dolve, M. A. Reading in the home, fifth year. S. Dak. State Col. Ext. [unnumb.] 9 p. illus. Mimeographed.

Tennessee

1920. Moreland, E. A few books for the country home. Tenn. Agr. Col. Ext. [unnumb.] 4 p. illus.
1924. Ambrose, M. A. [and others] Four year program of work for girls' home demonstration clubs in Tennessee. Tenn. Agr. Col. Ext. Pub. 94, rev., 80 p. illus.

Texas

1932. Barry, M. W. Books worth reading: a book chat. Texas Agr. Col. Ext., Texas Ext. Serv. Farm News v. 17, no. 8, p. 5-6.

Utah

- [1912?] Books on home economics. Utah Agr. Col. Ext. Circ. v. 1, no. 10, 1 p.
1914. McChayne, G. Books on home economics. Utah Agr. Col. Ext. Circ. v. 2, no. 9, 8 p.
1916. Linford, J. H. Reading courses in agriculture and home economics. Utah Agr. Col. Ext. Circ. v. 4, no. 7, 8 p.

Washington

- 1926-1929. Bryce, E. N. The book shelf. (In Wash. State Col., Extension Service Boys' and Girls' Club Record v. 6, nos. 9-12; v. 7, nos. 1-3, 6-12; v. 8, nos. 1-10)

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
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West Virginia

1918. Hartley, C. H. Farmers' reading circles. West Va. Agr. Col.
Ext. Circ. 216, 7 p. illus.
1935. Humphreys, G. Reading in the home. W. Va. Agr. Col. Ext.,
Good Living Ser. III, Lesson no. 10, Adventures in Better
Living, 6 p. illus.

II. Experiment Station Publications

Arizona

1901. Forbes, R. H. The farmer's reading course. (In Ariz. Agr.
Expt. Sta. Bul. 38, p. 241-242.

Missouri

1936. Morgan, E. L., and Sneed, M. W. Libraries of Missouri: a survey
of facilities. Mo. Agr. Expt. Sta. Research Bul. 236, 94 p.
illus.

Montana

1929. Barger, J. W. The county library in Montana. Mont. Agr. Expt.
Sta. Bul. 219, 54 p. illus.

Nebraska

1922. Rankin, J. O. Reading matter in Nebraska farm homes. Nebr.
Agr. Expt. Sta. Bul. 180, 28 p. illus.

Oklahoma

1928. Fernandes, G. A critical study of periodical reading in farm
homes in five selected localities in Oklahoma. Okla. Agr.
Expt. Sta. Bul. 176, 16 p.
1932. Duncan, O. D. The development of library service in Oklahoma.
Okla. Agr. Expt. Sta. Current Farm Econ. v. 5, no. 3, p. 39-41.

South Carolina

1933. Frayser, M. E. The libraries of South Carolina. S. C. Agr. Expt.
Sta. Bul. 292, 38 p. illus.

PUBLICATIONS OF THE STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS
ON BOOKS AND READING
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South Dakota

1928. Kumlien, W. F. Equalizing library opportunities in South Dakota. S. Dak. Agr. Expt. Sta. Bul. 233, 31 p. illus.
1936. Kumlien, W. F. Public library service in South Dakota. S. Dak. Agr. Expt. Sta. Bul. 301, 32 p.

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LIBRARY EXTENSION IN ST. LOUIS COUNTY, MINNESOTA

[The following extracts are taken from articles in the June 1937 number of "Library Notes and News", Department of Education, Minnesota, by Jane Morey, Librarian of the Duluth Public Library, Edith Rechcygl, Librarian of the Virginia Public Library, and Bonnie Elliott, Librarian of the Hibbing Public Library]

"Many years of effort with no tangible results might well be discouraging to farm women, rural demonstration workers, and librarians, but in St. Louis County they persisted, and in March, 1937, were at last able to begin the development of county library service. St. Louis County covers 6,500 square miles and has a population of 204,596. Thirteen tax-supported libraries served parts of the county, but there were still 35,750 rural people without books. What was the best plan of administration to reach this part of the population? For many years there has been appointed by the St. Louis County Club a library committee consisting of one or two librarians and as many farm women. This committee, under the guidance of the State Library Division and the Home Demonstration agents, has talked library service at every possible meeting in the county, some times invited to attend and some times without such an invitation. The women have made it a part of each year's program and all sorts of groups endorsed it.

"In the first years, as the country at large was becoming enthusiastic about the county library idea, the plan for St. Louis County followed the generally accepted plan, that is, a tax levied by popular vote over the part of the county not already taxed for library purposes; a centrally-located administrative unit and book depot, and book buses to take the books around. Although there were enough books in the thirteen public libraries to serve the entire county if put together, it was not feasible to try to combine the resources of these already well established and efficient libraries. Nor did the climate of the area make the idea of door to door delivery attractive. Also, to establish and administer a library for 35,750 people scattered over the entire county would require, so it was estimated, at least \$50,000. And yet, here were libraries well equipped, whose book collections could well be used to serve a larger unit of population. Every library has good books that have been 'read out' and that are standing idle on the shelves. An so the plan was developed at Miss

LIBRARY EXTENSION IN ST. LOUIS COUNTY, MINNESOTA
(continued)

Baldwin's suggestion of dividing the county into four areas, to be administered by the four libraries of Hibbing, Virginia, Ely, and Duluth, by contract with the County Board of Commissioners. This plan had the advantage of utilizing the existing facilities of these libraries and of reducing the areas to be served so that no library station would be more than sixty or seventy miles from the parent library. The cost of administering was, of course, reduced proportionately, and an ultimate cost of not more than \$35,000 is anticipated.

"County Board, the County School Superintendent and the farm groups all seemed to have a revival of interest in the idea, and with much less delay than was expected, the first grant of \$16,000 was made, the contracts with the library boards drawn up, and the first stations opened. A flat grant of \$4,000 was made to each library for the year 1937. It was felt that the smaller libraries needed more books to begin work and so should have the same as the larger ones. The contracts, however, contain the provision that after the first year, the contracts shall be made on the basis of the books actually loaned to the rural residents of the county.

"Each library operates independently, applying its own rules and methods to its area. Fortunately, the rules of the three largest libraries, at least, are practically the same, and the plan is for all libraries to honor all county library cards.

"The librarians of the four libraries concerned realize that the plan is not an ideal one, and do not claim that they will be able to give the best type of service, but it seems to be a workable solution of the particular problem confronting this particular county...

"The Duluth library established in the first month of its contract eight stations and made arrangements for the placing and care of six more. These stations are in schools, stores, and private homes. So far the community or store keeper has furnished the book cases needed and no compensation is given the custodian. The work is under the Extension Department, which administers the outlying stations in the City and is merely an extension of its activities...

"In the first month of county service, the Virginia library has supplied twelve communities with collections of books. These stations are maintained in post offices, stores and schools. Collections are ready for delivery to eleven additional communities. The rural people, particularly in the districts farthest from libraries, have received the books with open arms...

"Following the appropriation by the county commissioners, Hibbing immediately became very busy. The most important initial step seemed to necessitate some publicity which would reach all county residents and tell them of their new privileges... Applications began to pour in and by the end of March over six hundred people had registered in the Hibbing area... What looked like a tremendous project, with the steady, faithful work of those interested, has become a reality and proof that there is no reason why rural people should be deprived of the same reading privileges and advantages of their city neighbors."

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THE SEVENTY-FIFTH ANNIVERSARY OF THE MORRILL ACT

On July 2, 1862, seventy-five years ago, President Lincoln signed the Morrill bill providing for the Land Grant Colleges in the various states. The anniversary of this important date was commemorated by the North Dakota Agricultural College in its commencement program this year. In the exercises on June 7, the topic of the general conference was "The meaning of the Morrill Act." This was followed by the unveiling of the tablet designating the Agricultural Building as "Justin Morrill Hall," and by other special exercises. The printed program also commemorated the anniversary by including two brief articles, one on "The Land Grant College" and the other on "Justin Morrill." These are reprinted below, as it seemed fitting to make some mention in this July 1937 issue of Agricultural Library Notes of the date, seventy-five years ago, when the agricultural college libraries of this country may be said to have had their beginning, even though many of the agricultural colleges were not actually founded until several years later.

The Land Grant College

"In commemorating the Seventy-Fifth Anniversary of The Founding of The Land Grant Colleges in America at The Forty-third Annual Commencement June sixth, seventh and eighth, nineteen hundred and thirty-seven, the North Dakota Agricultural College at Fargo, North Dakota, will be one of the first institutions of its kind to recognize the great contribution they have made in building up a greater and more glorious nation.

"Justin S. Morrill, a United States senator from Vermont, who sponsored the Morrill Act in Congress which made possible these colleges in every state of the Union must certainly have been a happy man when Abraham Lincoln signed the bill July second, eighteen hundred and sixty-two, just seventy-five years ago. Little did these two men, pioneers in one sense of that type of education which combines the practical with the cultural, realize that its influence would be felt in every neighborhood of the land. Even today few people sense the tremendous future of the land grant college. They know little of its background. Its struggles it seems have enlarged its vision and made it a vital factor in the life of every state in the nation. The Morrill Act 'recognizes the principle that every citizen is entitled to receive educational aid from the government and that the common affairs of life are proper subjects with which to educate or train men.' In discussing the Morrill act of eighteen hundred and sixty-two the late Knute Nelson of Minnesota said - 'The old educational ideals have slowly given way to the far broader ideals for a system of public education suited to the needs alike of workers, business men, homemakers, technicians and professionals. The new education, while retaining the high moral and ethical ideals of the old, combines with these substantial training in doing the things of every day life.'

The Land Grant College is a medium thru which the life of the people of a state is interpreted. Its possibilities, especially in North Dakota, are tremendous. In the fields of agriculture, the applied arts and sciences, engineering and home economics its future is bright to say the least. To be a graduate of a land grant college is a distinction. It is a typical Ameri-

THE SEVENTY-FIFTH ANNIVERSARY OF THE MORRILL ACT
(continued)

can institution. Conceived in the mind of Justin Morrill and signed by the hand of Abraham Lincoln the Land Grant College Act is one of the most significant pieces of legislation ever enacted by Congress. May it grow in strength and power. The North Dakota Agricultural College is happy to dedicate its commencement to the Seventy-fifth anniversary of the Land Grant College in America."

Justin Morrill

"Justin Morrill was the son of a village blacksmith. He was born in Stratford, Vermont, in the year eighteen hundred and ten. He attended the little red school house, clerked in a country store and was an enthusiastic member of the village debating society. He loved country folks and they admired him. After living over forty years in a country neighborhood where he ran a country store, the people of Vermont sent him to the nation's capital where they kept him forty-four years as their representative in Congress. As a united States Senator he gave to America the Land Grant College, which Andrew White, many years president of Cornell University at Ithaca, New York, said ranked as a service comparable to Jefferson in acquiring the Louisiana Territory. It was, indeed, a great contribution to American education. Guy Bailey, president of the University of Vermont, just recently said in speaking of Justin Morrill:

'To him, more than to any other man of his generation, do we owe much of the splendid architecture of our Capital City, for the completion of the Washington Monument, the reconstruction of the western front of the Capitol Building, more especially its impressive system of marble terracing, and the superb building which houses the Congressional Library. Indeed, his last speech in the Senate was in behalf of the erection of a building for the Supreme Court, which now, thirty-five years after his death, has been erected. And, as has already been said, he inaugurated and carried to a successful issue the creation of a nationwide and nationally subsidized system of higher education, one which granted public lands to the several states wherewith to promote "the liberal and practical education of the industrial classes." This was, all things considered, his greatest service to mankind, and on college and university campuses in forty-eight states, as well as in Alaska, Hawaii and Porto Rico and on those of 17 colleges for the colored race, his name is revered as their founder and creator.'"

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"IT DID HAPPEN HERE"

The Library of the Patent Office had a copy of "Pateurization and Milk Supply" by J. H. Monrad which it was discovered lacked the last page. When the copy belonging to the Department of Agriculture Library was borrowed to make a copy of the missing page, strange as it may seem it was found to contain three copies of the last page. As there seemed no reason to think that three copies of this last page would be needed in the Department of Agriculture, the urgent plea of the Patent Office Library for one of them was granted.

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An article in the Library Journal for July 1937, by Leonard Kirkpatrick, Librarian of the Utah State Agricultural College, contains the encouraging news that his library has received an increase in total budget of nearly 90 per cent. The number of full time employees was tripled and salaries were raised 17 per cent. The administration has been sympathetic to the needs of the library but in order to keep alive this sympathy and to make sure these needs were not forgotten in the consideration of other demands of the college, a definite attempt was made to keep the case of the Library before the administration during the whole year. The wisdom of this action was demonstrated by the results, as shown by the following extracts from Mr. Kirkpatrick's article:

"To begin with, NYA help was used to survey the holdings of the College in certain fields... It was carefully pointed out that an agricultural college should be unusually strong in the sciences. Early in the year, well in advance of the session of the legislature, a proposed library budget for the biennium was submitted. This was done voluntarily without being called for by the administration, for it was felt that the administration should be helped in gathering facts and figures to present to the legislature.

"This budget began by listing desirable standards. Included were those of the North Central Association, the Land Grant College Survey, the American Library Association, the Carnegie Corporation Advisory Group on College Libraries, and the recommendations of the special survey report of Charles H. Brown. In every instance, the status was compared with the figures offered in the standards. Then the expenditures, building and book provisions, and enrollment were compared with those of neighboring institutions of similar type. Presidents' reports, U. S. Bureau of Education publications, and the statistical numbers of the American Library Association Bulletin were the authority for these figures.

"Next, special local needs were listed. Binding was one item requiring special provision. Gaps existed in basic periodical sets. These were listed, and the cost of filling these gaps estimated. The weaknesses of the present service, based largely on student help, were presented as bluntly as possible. Figures showing the use of the library were offered. The relation of increased enrollment and changing instructional method were demonstrated to show that library use would continue to grow. Finally, a detailed budget was outlined. The salary of each staff member was given and compared with that paid teachers with the same training. The duties of each member were also listed. Care was taken to show that there was a real need for each new appointee. The remainder of the budget was similarly explained. For instance, the figure allowed for supplies was analyzed so far as to estimate the amount needed for Library of Congress cards for each thousand dollars of books ordered.

"It is a pleasure to report that the increase which was granted the Library was far greater than that which the librarian had been led to believe possible and that his recommendations as to the allotment of the increase were followed almost to the dollar."

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THE CONTROVERSY OVER THE CORRECT USAGE OF
"MICROPHOTOGRAPH" AND "PHOTOMICROGRAPH"

In view of the present great interest in microphotography, the Editor thought it might be of interest to bring together in Agricultural Library Notes, the following series of extracts from Science in regard to the controversy over the correct usage of "microphotograph" and "photomicrograph":

"Recent issues of Science have brought suggestions on scientific nomenclature and the use of English. In this connection I would suggest for relegation to oblivion that horrible hybrid 'photo-micrography'. I have never been able to see the reason for coining this cacophonous misnomer - surely the term micro-photography is descriptive enough. One shudders to think what would happen if the precedent set by photo-micrography were followed consistently: we should then have to drop color photography and celestial photography in favor of photo-chromography and photo-uranography. If we sanction photo-micrography astronomers will be at a loss to know whether chronograph refers to an instrument used in measuring time or to a picture of Saturn, and we may, perhaps, look forward to the day when the studio photographer who specializes in portraits will announce himself as an expert in photo-prosopography." (W. J. Luyten, University of Minnesota. Science, March 5, 1937, page 242)

"In the March 5 issue of Science, Professor Luyten made some interesting comments on scientific nomenclature, refers to the term 'photomicrograph' as a 'horrible hybrid' and expresses his preference for the term 'microphotograph' which he recommends as the proper word. This was particularly interesting to me because at about 1912 I wrote numerous abstracts of German papers on the subject of 'Metallography' and in these abstracts I repeatedly used the word 'microphotograph', only to have the editor of Chemical Abstracts invariably change the word to 'photomicrograph'. At that time, I was rather peeved because I preferred the sound of the word that I used and it was a more literal translation of the German text which I was following. The learned editor of Chemical Abstracts carefully pointed out to me that the reader might imagine the word 'microphotograph' to signify a very small photograph, whereas I meant the photograph of something that the naked eye could not perceive because the camera was placed over a microscope and the photograph, which was of perfectly normal size, represented a magnification of perhaps 500 diameters.

"I have on my desk a 1937 edition of Webster's Collegiate Dictionary, and the term 'microphotograph' and 'photomicrograph' are both defined in the above sense, although under the former definition a secondary meaning is given as follows: 'loosely a photomicrograph'. The term 'horrible hybrid' is usually applied to words derived from two languages. Thus the term 'monovalent', which is often carelessly used by chemists, is frowned upon and it is considered better to use the term 'univalent' because 'valence' is derived from a Latin word and uni expresses in Latin the same idea that mono does in Greek. Since the three parts of 'photomicrograph' are all derived from Greek words, the word can hardly be called a 'horrible hybrid'.

"If Professor Luyten's communication had been written in 1912, I know I should have hailed it with joy, but I have learned a lot since then and have

THE CONTROVERSY OVER THE CORRECT USAGE OF
"MICROPHOTOGRAPH" AND "PHOTOMICROGRAPH"
(continued)

come to the conclusion that the editor who compelled me to use the term 'photomicrograph' twenty-five years ago was wiser than I and did me a service in correcting my writings." (William T. Hall, Massachusetts Institute of Technology. Science, May 28, 1937, p. 520)

"In regard to the controversy over the correct usage of 'microphotograph' and 'photomicrograph', I have found the following notation in the Oxford Dictionary (1928) under Photomicrograph: 'In 1858 G. Shadbolt in "Sutton's photographic notes" says: "The word microphotograph originated, I believe, with myself and is applied, I think correctly, to very small photographs, not to photographs of very small objects which would more correctly be photomicrographs."' However, by 1860 microphotograph was used incorrectly (according to the Oxford Dictionary) and since then seems to have been used rather loosely by all.

"Since it would seem that the originator of a word should have the authority in interpret its meaning, it follows that microphotograph should indicate a microscopic photograph, and photomicrograph a photograph of a microscopic object." (Science, July 2, 1937, page 13) W. L. Shilling, St. Joseph, Missouri)

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ARTHUR, S. C. Audubon, an intimate life of The American woodsman. New Orleans, Harmanson, 1937. 120 Au2Ar

HOLMES, A. G., and SHERRILL, G.R. Thomas Green Clemson; his life and work. Richmond, Garrett and Massie, 1937. 120 C59H

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WILSON, P. W. The romance of the calendar. New York, Norton, 1937. 215 W69

* Requests which are sent to the library for items in this list should include the call number following the entry.

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386 A122
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388 Sh5

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- EVANS, F., and STOKDYK, E.A. The law of agricultural co-operative marketing.
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- ODELL, E. A. Swiss cheese industry. Monroe, Wis., Monroe evening times
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- DALLAS. TEXAS CENTENNIAL EXPOSITION, 1936. Texas cattle brands, a catalog
of the Texas centennial exposition exhibit, 1936. Ed. by G.L.Ford. Dallas,
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A CHILDREN'S BOOK WHICH TELLS OF SOIL EROSION

It is not often that a reference to a children's book appears in Agricultural Library Notes but an exception is made in the case of a new book called "The Trader's Children" by Laura Adams Armer because of the scene of the story and the lessons regarding soil erosion which it teaches. The author, a winner of the Newberry award a few years ago, has turned again to her Navajo scene, this time developing her story around the coming of government engineers to build a dam to conserve water for the sheep on which the Navajos depend for a living. She traces for her young readers, through storybook methods, the results of the age-long soil erosion which has brought painted beauty but painful poverty. Sudden cloudbursts wash away attempted improvements leaving quick aridity, drought, and empty waterholes. The children are identified with the work of the engineers through one of the small boys who translates, day by day for them, the baffling ways and sayings, and superstitions of the Indians with whom they must work if a successful dam is to be built. The book is intended for boys and girls from ten to twelve years. (A review by Caroline B. Sherman)

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Office of the Secretary

The business of the farm family. Address by Harry L. Brown, assistant secretary of agriculture, at the farmers picnic sponsored by the Chattanooga Chamber of commerce, Chattanooga, Tenn., July 9, 1937. 7 p. 1.9 Ag8640

Whose soil and water? Address by Harry L. Brown, assistant secretary of agriculture, at 8th Southwest soil and water conservation conference, Minden, La., July 7, 1937. 9 p. 1.9 Ag8640

Agricultural Adjustment Administration

Report of the Chicago conference on discussion groups in agriculture, May 10-12, 1937. 12 p. Issued by Division of program planning, Program study and discussion section. 1.94 Ad472Nat

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Bureau of Agricultural Economics

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Livestock received direct by packers at Chicago. By K. Bjorka. 1937. 9 p. 1.9 Ec713Lir

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*For a list of the principal series issued regularly, see v.9, no.10, p.354.

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Extension Service

Aims and objectives of home demonstration work. By C. W. Warburton. 1937.
4 p. (Extension service circular no.265) 1.9 Ex892Esc

Foreign agricultural extension activities, May 1937. 29 p. (Extension service
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Grades and qualities of food. By M. M. Ward. 1937. 12 p. 1.9 H75Gr

Bureau of Plant Industry

Quackgrass. By L. W. Kephart. 1937. 4 p. 1.9 P6917Qg

Quality data for winter-wheat varieties grown in cooperative plot and nursery experiments in the hard red winter-wheat region in 1934, 1935, and 1936. By C. C. Fifield and others. 1937. 36 p. Issued by Division of cereal crops and diseases. 1.9 P6917Q

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Public Roads

Highway planning surveys. Paper presented by Dr. L. I. Hewes, Bureau of public roads, at 9th annual session of Institute of government, School of government, University of southern California. Los Angeles, Calif., June 15, 1937. 15 p. 1.9 R53Hps

NOTE: There is no one office in the Department from which mimeographed publications can be obtained and in the case of some of the bureaus there is no central office from which the mimeographed publications of the various offices of the bureau can be obtained. It is therefore most important that requests for mimeographed publications be addressed (1) to the bureau which issued them and (2) that the name of the office be added if an office is included in the entry. Only in the case of the publications entered under the Secretary's office should requests be addressed to the Office of Information. In the case of each request, full information should be given. It would also be a help in filling requests if in each case the volume and number of "Agricultural Library Notes" in which the reference to the publication was seen, is given. As a general rule mimeographed publications are not intended for general distribution as are printed publications. Care in requesting them is therefore important.

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LOST BOOKS

The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library (Branch 627):

- 386.2 Barger, George.
B23 Some applications of organic chemistry to biology
and medicine.
- 207 Bizonfy.
B55E English-Hungarian dictionary. Edition 2.
- 251 Elderton, W. P.
E12 Primer of statistics. 1910.
- 443 Hill, Austin B.
H55 Inheritance of resistance to bacterial infection in
animal species. (Medical research council (Gt. Britain)
Special report ser. no. 196)
- 56.9 Imperial bureau of soil science. Technical communications,
Im72 no. 23-33. (A bound volume)
- 463.38 Jones, Donald Forsha.
J71 Selective fertilization.

7 Sci 2 Scientific agriculture (A Canadian journal). v. 7, 1926.

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INCREASING THE USE OF A LIBRARY THROUGH BIBLIOGRAPHIES

By Leonard Kilpatrick,
Librarian, Utah Agricultural College.

During the past year the Utah State Agricultural College Library has prepared subject and author bibliographies in chemistry, horticulture, and education. In each instance these bibliographies were requested by members of the departments concerned.

The reasons these bibliographies were needed were (1) because it was believed timely to attempt to show that catalogs or indexes of books available in the main library, together with messenger service, would take the place of additional departmental libraries, (2) because much recataloging and reclassifying has made available numerous books about which the professors had been uninformed, and (3) because book selection could thus be based upon obvious need with avoidance of duplication.

Additional lists of books which had been favorably reviewed in scientific journals were prepared for several departments which had been somewhat slow in recommending additions to the library.

Complete magazine holdings were typed and copies of the list sent all faculty members for criticisms and comments. New faculty members were communicated with as soon as their appointments were announced in order that they might compare the holdings of Utah State with those of the colleges with which they were then connected.

Some Results

Faculty reading during the past year increased almost fifty per cent. Student reading doubled. The latter would have tripled had sufficient copies of requested books been available.

A New Bibliographical Project

A bibliographical project designed to serve the general student body next year is at present under way. It consists of a list of magazine articles, pamphlets, documents, and books on jobs. This will be arranged in two main sections - jobs for men, and jobs for women. Under each heading the references will be listed alphabetically under the name of the occupation. The list of course includes only those items which are actually available in the college library. Space has been left under each heading for the addition of new data. An attempt is now being made to secure more books and pamphlets in those fields in which the library is weakest. In addition to studying book reviews in choosing this material, the librarian is relying upon the advice of faculty members in the various fields and particularly upon that of the chairman of the faculty committee on personnel and guidance. Arrangements have been made whereby the students will be told of the existence of this bibliography and the place it is posted. The librarian will deliver a talk to all freshmen upon the subject of books on jobs. The student paper will devote a paragraph to each subject. If possible, a report will be made next spring on the value of this project as reported by students and by personnel workers.

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AN ACCOUNT OF
THE TRANSFER OF THE IMPERIAL AGRICULTURAL RESEARCH INSTITUTE FROM PUSA
TO NEW DELHI AND OF THE NEW LIBRARY OF THE INSTITUTE

[This account of the transfer of the Imperial Agricultural Research Institute from Pusa to New Delhi and of the new library of the Institute consists of extracts from the Scientific Reports of the Institute for the year ending June 30, 1936]

"The biggest and the most important event of the year for the Institute is its transfer from Pusa to New Delhi. In the report for the previous year, it was mentioned that, as a consequence of the Phipps Laboratory having been damaged by the earthquake of January 1934, the decision to move the Institute from Pusa to New Delhi was finally taken, and that the necessary preparations were in progress. During the year under review, these preparations were completed and the actual move commenced a month before the year under report came to a close. At the time of writing this report, the move is complete. Instances of wholesale transfer of big Institutes, like the Imperial Agricultural Research Institute at Pusa, are very rare in the annals of research institutions not only in India but elsewhere in the world. A brief description of the move may, therefore, be of interest.

The Move

"In effecting the transfer, the authorities of the Institute had to face peculiar and unavoidable difficulties which were both physical and financial. The Institute has a population of 1,300 composed of the staff and their families. As it was necessary to pack and despatch things till the last item had left Pusa and to receive at the Delhi end the packages of the different Sections of the Institute as they arrived, the staff had to remain on duty at Pusa and move to Delhi with the least possible delay. This necessitated the maintenance of sanitary and health services, of the hospital and of the power house at Pusa till the last moment, and the running of a parallel set of services at Delhi for the advance party... All this necessitated the maintenance of office work in the Central and Sectional Offices, which we could not afford to dislocate even for a day although it was being carried on under the great disability that the staff of the Director's Office had been distributed between Delhi and Pusa... It is pleasing to be able to state that all the physical and financial difficulties have been overcome, and the move has been successfully completed without any embarrassment, financial or otherwise. This result is attributable mainly to the cheerful co-operation and hard work by every member of the staff in every grade of service. Every item of equipment that was considered useful at Delhi, including heavy office furniture, has been brought to Delhi, and nothing which would be useful now or in the near future has been left at Pusa. The whole of the move worked to schedule.

"Earlier in the year all fresh field experimental work was suspended. The several Sections were engaged in sorting out the stores and the equipment, preparatory to final packing. The actual packing which was on-

AN ACCOUNT OF
THE TRANSFER OF THE IMPERIAL AGRICULTURAL RESEARCH INSTITUTE FROM PUSA
TO NEW DELHI AND OF THE NEW LIBRARY OF THE INSTITUTE
(continued)

trusted to a contractor commenced early in February. As soon as the construction of the buildings at Delhi was substantially advanced to permit occupation, though with temporary inconveniences, orders were issued to suspend all work at Pusa and to concentrate on the move. All Sections were instructed to stop work and commence dismantling and packing from the 1st of May. Water and gas supplies to the laboratories were stopped from that date, and students were allowed to go on their summer recess in the months of May, June and July with instructions to join at Delhi in the first fortnight of August 1936. A Move Office was formed with the Joint Director (Mr. Wynne Sayer) as the Move Officer who was responsible to effect the move from Pusa. Likewise, a Receiving Office was formed at New Delhi with the Assistant Economic Botanist (Mr. Kashi Ram) in charge who was responsible for the reception of goods at Delhi. The Move Office and the Receiving Office were allotted members drawn from the staffs of the different sections to look after the despatch of goods at Pusa and their reception at Delhi....

"As soon as every arrangement was found satisfactory, orders were issued on the 26th of May, 1936, to start the move on the 1st of June, 1936. The despatch of all dead-stock was completed by the 15th September 1936. Apart from live-stock which were accommodated in 32 wagons, about 100,000 cubic feet of space was requisitioned from railways for carrying the Institute equipment... The Joint Director personally supervised the move of the cattle, their food and attendants in a special train consisting of 43 wagons. The train was timed to leave Pusa Road at 18-20 on the evening of the 15th October and arrive at Delhi-Sarai-Rohilla Station at 10 a. m. on the 19th October...

"Thus ends the move of the Imperial Institute of Agricultural Research at Pusa, which was inaugurated 30 years ago and became well known in India and abroad as the 'Pusa Institute', and which holds a proud and enduring record of achievements in the science and practice of agriculture.

The New Site of the Institute

"On its transfer from Pusa to New Delhi, the Institute is renamed as the 'Imperial Agricultural Research Institute, New Delhi'.

"In its new environments, the Institute has one great advantage, namely, the easy accessibility from all parts of India, the lack of which was recognized as a great disability of Pusa... The Institute at Delhi enjoys a spacious and central environment enabling it to cover a wider field of activity and fruitful co-ordination. The workers at the Institute can meet and exchange ideas with the workers from the Provincial Agricultural Institutes and the Universities coming to attend the meetings of the Imperial Council of Agricultural Research. This contributes directly to increasing the usefulness of the Institute and its work by creating the cultural contacts which are so necessary for the proper functioning of the Institute... His Excellency, Lord Willingdon, the Viceroy and Governor General of India, laid the foundation stone of the Library, which is the chief central building of the Institute, on the 19th of February 1935...

AN ACCOUNT OF
THE TRANSFER OF THE IMPERIAL AGRICULTURAL RESEARCH INSTITUTE FROM PUSA
TO NEW DELHI AND OF THE NEW LIBRARY OF THE INSTITUTE
(continued)

Lay-out.

"The total area of the Institute consists of about 800 acres, of which about 275 acres are under buildings and pasture and the rest in agricultural land which has been laid out into fields for experiment and research...

Buildings

"Hand in hand with the progress in the lay-out of the agricultural land, the progress of building construction in the hands of the Central Public Works Department was phenomenally rapid. The Library and the Laboratories were ready by April 1936 to commence the work of internal fittings and equipment...

"Unlike at Pusa, the Laboratories are single-storeyed buildings and have been built as independent separate blocks for the various Sections instead of housing them all in one building, as was the case at Pusa. Each block contains suites of well-equipped laboratories for advanced research and study.

The Library

"The Library is a beautiful and spacious central building designed to accommodate about two lakhs of volumes. It is intended to assist those engaged in advanced study and research by rendering available to them information contained in technical literature. It has, besides the publications by the Institute which are over five hundred, others published in India and abroad. There is an extensive collection of transactions of scientific societies, and of bulletins, monographs and reports issued by Government Departments, Experiment Stations, Scientific Institutions and Research Laboratories dealing with the several sciences directly or indirectly connected with agriculture. There are at present 70,000 volumes and the Library of the Institute is recognized as the largest agricultural library in the East. A classified subject index of books, periodicals and articles is readily available, and, as soon as circumstances permit, endeavours will be made to provide indexed abstracts of articles and to supply photostats of articles to outsiders on payment of the cost of materials. A spacious reading room, in which are exhibited current books and periodicals, is open for consultation from 8 a. m. to 8 p. m....

"[During the past year] publications received in exchange numbered 979, while 281 were purchased. As the Library had to be packed for transfer to New Delhi, the issue of books on loan was suspended for part of the year. Over 1,400 books were, however, issued on loan, of which 120 were sent to scientific workers in the Provinces and Universities...."

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LIBRARY OF THE NATIONAL AGRICULTURAL RESEARCH BUREAU
MINISTRY OF AGRICULTURE, NANKING, CHINA

[The following excerpts were taken from the account of the Library of the National Agricultural Research Bureau, Ministry of Agriculture, Nanking, China, is contained in the Report of the Bureau for the year 1935]

"From the inception of the National Agricultural Research Bureau it has been planned to develop a library commensurate with the needs of its research program, and the necessary reference books have been purchased for each department. In order that the staff members may be kept informed of the latest developments in their particular fields, certain scientific books are purchased as soon as they are published. In addition, technical journals have been subscribed for, and all the back numbers of some have been purchased.

"The Library is used not only by the staff members but also by scientific workers who gather at the Bureau from all over China to attend conferences and institutes or to engage in individual research. The staff members of the Central Cotton Improvement Institute of the National Economic Council and of the newly-organized National Rice and Wheat Improvement Institute, both of which are located very near the Bureau and cooperate closely with it, also have free access to the Library.

"The Library unit consists of two reading rooms, two large stack rooms, and an office. Desks, tables, and chairs have been specially designed for the convenience and comfort of the readers. The metal book stacks include forty double-shelves and sixteen single-shelves with a total capacity of 30,000 volumes. All the current periodicals and bulletins are placed in the reading room on wooden shelves which are marked with the titles, and tabulated lists for reference are nearby.

"By the end of 1935, the Library contained 5,409 volumes, 4,157 of which are Japanese and Chinese, and 1,252, American and European. During 1935, the Japanese and Chinese periodicals numbered 416, 181 of which were subscribed for and 235 received on an exchange basis; while the American and European periodicals numbered 270, 180 of which were subscribed for and 90 received on exchange.

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LIBRARY OF THE COLLEGE OF AGRICULTURE
UNIVERSITY OF THE PHILIPPINES

"A Historical Sketch of Collegiate Education in Agriculture in the Philippines" by Leopoldo B. Uichanco, of the Department of Entomology, has been published as Circular 29 of the College of Agriculture, University of the Philippines. In commenting on research facilities the author states that "The College Library is fairly well equipped with references on agricultural topics; it has in its stacks a collection of 14,954 volumes, 2994 pamphlets, 849 manuscripts (theses), and an assortment of maps. Its periodical resources consist of 121 paid subscriptions, 266 exchanges, in journals and other serial publications mostly on agricultural and scientific subjects." The figures were furnished by Mr. Quintin A. Eala, Librarian, College of Agriculture, December 4, 1936.

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A GERMAN REPRINT OF
"A SURVEY OF CURRENT BIBLIOGRAPHIES ON AGRICULTURE AND ALLIED SUBJECTS"

"The Bibliographies of Agriculture. International summary of the current bibliographies and reports in the entire domain of agriculture and allied subjects" (Die Schrifttumsnachweise der landwirtschaftswissenschaft, zusammengestellt in der Bibliothek des Internationalen Landwirtschaftsinstituts in Rom), by Dr. S. v. Frauendorfer und V. A. Schaefer, has recently been published as Berichte über Landwirtschaft, zeitschrift für Agrarpolitik und Landwirtschaft, herausgegeben im Reichs- und Pr. Ministerium für Ernährung u. Landwirtschaft, Neue folge, 131. sonderheft, 1937. The preface explains that it is a free reprint and revision (freie Übertragung und Bearbeitung) of "A survey of current bibliographies on agriculture and allied subjects" by V. A. Schaefer, which was published this year by the International Institute of Agriculture, Rome. Items in the Addenda of the latter have been inserted in their proper places in the German edition. The descriptive notes are included only in German. The edition issued by the International Institute of Agriculture is the bibliography which recently received the prize given by the Oberly Memorial Committee of the American Library Association for the best bibliography in the field of agriculture submitted to the Committee for the biennium 1935 and 1936. This was reviewed in Agricultural Library Notes for February 1937, p. 55, but as the review was brief, it is thought it will be of interest to give here the summary in English which appears at the end of the German edition:

"The above summary of the current bibliographies in the domain of agriculture and its basic and auxiliary sciences is not confined to bibliographical periodicals and reports in the strict sense of the word, but also includes sections of a bibliographical character to be found in other periodicals. The basis for the compilation was provided by the wealth of material received by the Library of the International Institute of Agriculture in Rome. The titles are arranged according to countries, the lists for each country being alphabetical. An index indicates the special subjects dealt with in the various periodicals. An alphabetical index of titles has also been added.

"The picture presented by this summary is of bewildering multiformity. The total number of bibliographical sources dealing with agriculture is very large indeed, yet it can hardly be maintained that the bibliographical apparatus as a whole works well. Only few countries can boast the possession of a national agricultural bibliography which meets the demands of research work. International sources dealing with all languages uniformly are still considerably rarer. The same applies to periodicals containing abstracts. The conclusion reached is that there is a need for a world bibliography of agricultural literature, omitting publications of trifling value, but reproducing completely and faithfully original scientific work. Such an international bibliography of titles would have to be supplemented by bibliographies for the various languages or countries, in which, however, material of less importance and of purely local interest would also have to be included. On the other hand, the abstracting journals would have to intervene as a supplement of the various branches of agriculture, each subject being dealt with on an international basis. Such cooperation between an international bibliography of titles, national bibliographies of titles and international abstracting services would then result in a state of affairs which could be described as satisfactory in every respect."

BOOKS

[The following editorial on the need of adequate support for technical and scientific libraries of the Federal Government is taken from Industrial and Engineering Chemistry, vol. 29, no. 5, May 1937, p. 484]

"The mere mention of the word 'books' brings to mind a number of stories told to emphasize the lack of appreciation which characterizes so many people. It extends beyond the mere individual. Even a state legislature was once known to refuse an appropriation on the very simple yet adequate ground that doubtless no one had read all the books in the state library. The failings in this regard, however, extend even into some federal departments and bureaus.

"All who will read this realize fully that the first tool to which the well-trained research and technical man turns is the library. He not only wishes to read of all things that may be possible but of what has been done. He requires for his best work the latest editions of tables, graphical data, and every scrap of information which may assist him to avoid duplication, to escape errors in his plan and approach to his problem, and to guide him in a sound interpretation of the results he obtains. Without such information he can readily waste treasure in time and equipment. He may be housed in marble - or more likely Indiana limestone - halls. He may have the latest in laboratory equipment, an abundance of apparatus, and a storehouse of tested reagent chemicals, and still become lost in a maze of blunders, if his library is inadequate, out of date, or unused.

"And yet there are bureaus of the Federal Government where the allotments for books and periodicals are meager beyond belief, sinking to as little as 0.02 per cent of an appropriation which, too often, is itself inadequate for the efficient work of a bureau. It is not uncommon in institutions supported by private endowment or other than federal resources to expend as much as \$30 per annum per technical worker (probably not the maximum) for the necessary books and periodicals, whereas in at least one of our federal bureaus the money available for such invaluable tools does not exceed \$5.00 or \$6.00 per annum (the minimum may be lower).

"It cannot be assumed that a large expenditure for a carefully selected library and list of current scientific publications indicates careless management of abundant income. This money is so used because it pays, and those men who work handicapped by a paucity of such tools cannot be expected to earn the maximum on the investment made in them. An early remedy of this situation should be demanded."

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A HISTORY OF AGRICULTURAL EXPERIMENTATION AND RESEARCH
IN THE UNITED STATES 1607-1925

"A History of Agricultural Experimentation and Research in the United States, 1607-1925", including A History of the United States Department of Agriculture, by Alfred Charles True, late Specialist in States Relations Work in the Department, has just been published as Miscellaneous Publication No. 25 of the Department. It is for sale by the Superintendent of Documents, Washington, D. C., at twenty-five cents a copy. This is the third and final monograph in a series intended to give a comprehensive summary of the history of agricultural education, extension and research in the United States. Agricultural instruction in schools and colleges, with incidental references to research and extension work as features of the broad American system of agricultural education, was dealt with in the monograph published in 1929 as Miscellaneous Publication No. 36 of the United States Department of Agriculture. The History of Agricultural Extension Work was issued by the Department in 1928 as Miscellaneous Publication No. 15.

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EXPERIMENT STATION DIRECTORS POINT OUT IMPORTANCE OF
ADEQUATE LIBRARY FACILITIES

In the Proceedings of the Association of Land-Grant Colleges and Universities, 50th annual convention, November 16-18, 1936, which have just been published, are two papers entitled "Professional Improvement for the Experiment Station Staff", one by Director E. P. Sandsten of Colorado, and the other by Director J. C. Kendall of New Hampshire. Agricultural librarians will be encouraged to note from the following extracts from the articles that both stress the importance of adequate library facilities:

"Laboratory and library facilities: A station cannot function properly without adequate facilities in the way of laboratories and a good library. I want to stress this point. Many excellent research men are handicapped and discouraged for lack of these essential facilities. A library budget should be provided for in every station. This amount need not be large but should cover such items as technical journals along the various lines in which the station staff are interested. New books in specialized fields should be available. These facilities will keep the workers in touch with their particular line and frequently save time and effort." (Director E. P. Sandsten of Colorado)

"Adequate library facilities are a necessity for research staffs to keep up with the vast amount of printed literature in their own and allied fields, particularly when foreign publications are considered. Translations, bibliographies, photostat and bibliofilm service are most valuable helps which centralized national and even international libraries can give us. Here again, it seems to me that regional development may well include certain library specialization." (Director J. C. Kendall of New Hampshire)

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[This account of the publications of the Ministry of Agriculture of Great Britain consists of extracts from an article on the subject in the July 1937 number of the Journal of the Ministry, vol. 44, no. 4, p. 344-7]

"Substantial sums are provided for the maintenance of research into agricultural problems and the provision of technical advice for farmers. The real value of such research and experimental work depends largely, however, on the extent to which the results are made available to farmers and others concerned in a readily assimilable form.

"One important means of bringing available information to the notice of farmers is the issue of various publications by the Ministry. Apart from this Journal, these fall into four main classes - the Bulletins (priced), the Advisory Leaflets (single copies free), the Marketing Reports (priced) and the Marketing Leaflets (free).

"The Bulletins, which are available at prices ranging from 3d to 6s., may be regarded as treatises adequately covering the subjects concerned. Apart from one issue (No. 82), which is a technical bulletin intended for manufacturers and analysts, the Bulletins are written in simple language, so that the latest serviceable information on the subject dealt with is made readily accessible to the farmer or horticulturist. Most of the volumes are illustrated, and in some instances coloured plates have been provided.

"Since the Bulletins were started on April 1, 1930, 98 have been published, in addition to a large number of new or revised editions and reprints. By the end of 1936 the total number of copies sold had reached the very satisfactory figure of 454,000 - an average of approximately 65,000 copies per annum.

"A complete list of the Bulletins and other publications of the Ministry may be obtained free of charge and post free from the Ministry and from the Sale Offices* of His Majesty's Stationery Office, and it is therefore unnecessary here to mention all the various subjects covered... Every effort is made to provide advice on subjects that are attracting attention...

"Advisory Leaflets are brief, simply-written statements on subjects treated. Up to four copies in any one main group (e.g., Diseases of Animals, Manures, Insect Pests of Fruit Trees, etc.), with a maximum of 20 in all, are supplied free and post free by the Ministry. Copies of leaflets required in excess of these limits are obtainable from the Sale Offices of His Majesty's Stationery Office - price 1d. each (1-1/2d. post free) or 9d. net per dozen (10d. post free).

"During the past seven years about 230 Advisory Leaflets on a wide range of subjects have been issued, and total free distribution has been in the neighbourhood of 1,200,000 copies. In addition, large numbers have been sold by His Majesty's Stationery Office.

"To meet the wishes of readers who desire to have, in a convenient form, all the available leaflets on insect pests and diseases of plants, four

*Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh, 2; 26, York Street, Manchester, 1; 1, St. Andrew's Crescent, Cardiff; 80, Chichester Street, Belfast.

collections have been issued in loose-leaf covers at a uniform price of 1s.6d. per volume. New or revised leaflets may be obtained and inserted in these covers at any time. A similar collection, at the same price, includes all the leaflets on birds of agricultural importance.

"Publications on Marketing. The main items of propaganda have been recipe books for housewives. The first of these publications - the National Mark Recipe Book - was published in 1934 and in all 400,000 copies were issued. This book was succeeded in January, 1936, by the National Mark Calendar of Cooking, issued free by the Ministry. This publication contains numerous recipes for each month, and each monthly section is prefaced by a list of National Mark products in season; 480,000 copies of the Calendar have been issued to date.

"In addition to publications for producers and consumers, the Ministry has arranged during the past eight years for the designing of numerous posters and cards advertising National Mark products for display in retail shops. There has been a large and continuous demand for this display material.

"Marketing Leaflets. These, which are supplied free of charge, are published in two distinct categories: (1) leaflets for the guidance of producers, and (2) leaflets of a propaganda nature and intended mainly for consumers. The former deal mainly with the National Mark Schemes and are of special interest to producers and distributors. The distribution of these leaflets is approximately 50,000 per annum.

"The second series is distributed chiefly to housewives, and the leaflets are therefore couched in non-technical language. They set out briefly the object of the National Mark movement, and give details of the measures taken to maintain the national standards of quality required by the regulations...

"Orange Books. The Economic Series of Reports, popularly known as the Ministry's "Orange Books," is mainly devoted to a study, commodity by commodity, of the technique of marketing of agricultural products. It also includes reports issued by Commissions appointed by the Minister to inquire into the possibilities of reorganizing the marketing of certain of the more important agricultural products, e.g. milk, pigs, eggs and poultry.

"Up to the present 41 volumes have been published in the series. There has been a wide public demand for these books and 18 of the earlier volumes are now out of print. The total sales up to the end of December 1936 amounted to nearly 238,500 copies."

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ROTHAMSTED EXPERIMENTAL STATION MEMOIRS ON AGRICULTURAL SCIENCE

Volume 20 of the Royal Octavo Series (Half Calf) of the Rothamsted Memoirs (64 Memoirs, 1935-1936) is now ready for distribution and can be obtained from the Secretary, Rothamsted Experimental Station, Harpenden, Herts, England. The price is 36 shillings plus foreign postage.

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ISSUED MONTHLY
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WASHINGTON
D. C.



PRINCIPAL LIBRARY ACCESSIONS*

Agricultural congresses

- BRITISH COMMONWEALTH SCIENTIFIC CONFERENCE, London, 1936. Report of proceedings. London, 1937. (Gt. Brit. Parliament. Papers by command, Cmd.5341) 5 B77
INTERNATIONAL GRASSLAND CONGRESS. 4TH, Gt. Brit., 1937. Abstracts of plenary and sectional papers to be delivered to the Congress at Aberystwyth on July 15, 16 and 17, 1937. Aberystwyth, Gt. Brit., Cambrian news, ltd., 1937. 60.19 In8

Agriculture

- POWER, R. A., and KIVLIN, V. E. Handbook of farming for boys and girls. Milwaukee, Hale, 1937. 30.3 P87
RÜTTI, SWITZERLAND. LANDWIRTSCHAFTLICHE SCHULE. Festschrift zum fünfundsiebzig-jährigen bestehen der Landwirtschaftlichen schule Rütli. Rütli, 1936. 33.21 R93
SOUTHERN FIELD-CROP ENTERPRISES, including soil management by E. R. Alexander and others. Ed. 2. Chicago, Lippincott, 1937. 64 So8 Ed.2
WAGENINGEN. LANDBOUWHOOGESCHOOL. INSTITUUT VOOR PLANTENVEREDELING. L'agriculture aux Pays-Bas, 1936. Arnhem, Misset [1936?] 33.15 W13

Bacteriology

- B. W. HAMMER, Panegyric, by his former students at the Iowa state college. Ames, Collegiate press, 1937. 448.2 H18
MARMIER, L. L'Institut Pasteur de Lille, 1923-1935. Lille, Santei, 1937. 448.39 M34

Botany

- COIMBRA. UNIVERSIDADE. INSTITUTO BOTANICO. Conspectus florae angolensis, editado por dr. L. W. Carrisso. v.l. Lisboa, Bertrand, 1937. With collaboration of British Museum. 460.45 C66
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1937 YEARBOOK OF THE U. S. DEPARTMENT OF AGRICULTURE

"The 1937 Yearbook of the United States Department of Agriculture, just off the press, rounds out the work of the committee on genetics appointed by Secretary Wallace in 1933. The task set for the committee was to make a national and to some extent an international survey of practical breeding and genetic research with those plants and animals that are important in American farming. The first fruits of the work appeared in the 1936 Yearbook of Agriculture as a series of papers dealing chiefly with the major crop plants and classes of livestock.

"The present volume covers a varied field, dealing with garden vegetables, northern tree and bush fruits, citrus fruits, flowers, nut trees, forest trees, forage grasses and legumes, Angora and milk goats, turkeys, ducks, fur-bearing animals, honey bees, and 'finally that good friend of the farmer, his dog.'

"Many of the articles are unique in that nothing of a similar kind has been done in their field, and the two yearbooks together probably contain the most complete and up-to-date account of breeding work and genetic research in relation to farm plants and animals that can be found gathered in one place.

1937 YEARBOOK OF THE U. S. DEPARTMENT OF AGRICULTURE
(continued)

"Both 1936 and 1937 yearbooks have something of the hybrid nature of much of the material with which they deal. They are intended for two groups: (1) Readers who want to know what is going on in the field of plant and animal breeding in order to enlarge their understanding and to enable them to carry on their farming operations more intelligently, and (2) students and others who have, or expect to have, a closer concern with the science of genetics.

"This survey of breeding and genetics also is an attempt, according to the editors, to make a frank appraisal of the present situation on a major segment of the agricultural front - not only to sum up achievements, but to expose weaknesses and shortcomings...

"Secretary Wallace in a brief foreword reminds readers that these two yearbooks on genetics and breeding do not complete an account of the efforts of plant and animal breeders in the United States. 'On the contrary,' he points out, 'I would wish these yearbooks to be looked on as pointing the way toward a field of activity that will accomplish much more in the future than has been accomplished in the past. Life is always changing because environment is, always changing. There are always new types of diseases, new insect pests, changes in soil fertility, changes in consumer demands. The work of the plant and animal breeders is directed to meeting these changes. It has only just begun. We have reached our present stage of development largely by rule-of-thumb methods but discoveries not dreamed of a few years ago are being made, and they counsel greater boldness in experiment and promise closer control because they give us an increased understanding of the processes that go on in the minute cells where life has its beginning... Man's control of his own future may depend in the long run on whether his biological knowledge, which is constructive, can catch up with his knowledge of the physical sciences, which has taught him so much about how to destroy.'

"A limited number of copies of the 1937 Yearbook has been made available to Members of Congress and to the Department of Agriculture. It also will be on sale through the Superintendent of Documents, Washington, D.C., at \$2.00."

To the foregoing Department press notice should be added, for the benefit of librarians, the following explanation regarding the Yearbook Separates and two of the bibliographies. The note appears at the end of the Contents: "Limitations of space made it necessary to omit from this volume some of the material prepared as a result of the survey of plant and animal improvement. Two complete articles were omitted - one on the Improvement of Subtropical Fruits Other than Citrus, by Hamilton P. Traub and T. Ralph Robinson, and one on the chromosomal basis of heredity (Studies in the Behavior of Chromosomes) by A. F. Blakeslee, consulting member of the Secretary's Committee on Genetics. Both of these articles, however, will be published in the 1937 Yearbook Separates, obtainable from the Superintendent of Documents, Washington, D.C., at a nominal cost. In order to keep the record complete and unified, the summaries of the articles have been retained in the introductory chapter beginning on page 119. The remaining omitted material consists of the bibliographies on flower breeding and on forest-tree breeding, which include a large number of references, and which will also be published with the text of the articles in the Yearbook Separates; and a few pages of miscellaneous agricultural statistics. The latter are included in substance in the volume entitled Agricultural Statistics, 1937, obtainable from the Superintendent of Documents."

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BASIC PERIODICALS FOR AN AGRICULTURAL RESEARCH INSTITUTION
Some Aids in Selection

The list of articles which appears monthly in Agricultural Library Notes under the title "Articles by Agricultural Experiment Station Workers including only Technical and Scientific Articles reporting or based on Experiment Station Work" has a value, in addition to the listing of the articles, in that it furnishes to some extent a guide to the more important American publications which should be available in the agricultural college and experiment station libraries. The number of different periodicals referred to in the September list is not as large in proportion to the length of the list as is ordinarily the case, since it contains references to numerous articles by experiment station workers included in the Proceedings of the Association of Southern Agricultural Workers. With few exceptions; only American publications appear in the lists since the results of the research work of State experiment station workers are naturally published in this country. The most frequent exceptions are the proceedings of international congresses, as these are attended by research workers from this country.

Recently two foreign libraries have published lists which are also helpful. These contain both American and foreign journals. The briefer one is a list of the periodicals currently received by The National Agricultural Research Bureau of the Ministry of Industry, Nanking, China, which is contained in the report of the Bureau for the year 1935, in the portion relating to the library, pages 58-63. The other list is a "Catalogue of Periodicals for 1937, Library of College of Agriculture, Kyoto Imperial University, Japan." The total list contains 44 pages, on the first 24 pages of which are listed periodicals in languages other than Japanese. The remaining pages are devoted to Japanese publications. As foreign libraries are likely to purchase the periodicals of other countries which they consider most important, these two foreign lists have value as selective guides to basic agricultural research journals.

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- Boletin tecnico de agricultura. Calle Cangallo 2585, Buenos Aires. mo. f°. il. ano. 1, no. 1, April 5, 1937. \$5.00.
- Brooklyn institute of arts and sciences. Botanic garden. Leaflet. Brooklyn, N. Y. Discontinued with ser. 24, no. 6, Dec. 23, 1936.
- The Commercial hen. Sydney. Discontinued with v. 7, no. 21, May 29, 1937. Merged with The Australian poultry standard to form The Australian hen, June 5, 1937.
- Contemporary Manchuria; a bi-monthly magazine. South Manchuria railway company, Dairen, Manchuria. bi-mo. 8°. il. v. 1, no. 1, April 1937. \$3.00 a year.
- Geneva special studies. Geneva, Switzerland. Discontinued with v. 7, no. 10, 1936/37.
- La Gironde agricole et viticole. Bordeaux. Publication suspended with année 11, no. 143, Dec. 1936.
- International dairy federation. Brussels. Carnet d'informations. 63, rue Joseph Bens, Uccle-Bruxelles, Belgique. irreg.(?) 32°. année 2, no. 6, June 30, 1937. No price given.

NOTES ON PERIODICALS
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- Konjunktura gospodarcza. Warszawa. Temporarily suspended with rok 9, nr. 3, 1936.
- Landesbauernschaft Sachsen (Freistatt). Wochenblatt. Dresden. Changed to Landesbauernschaft Sachsen. Wochenblatt, with jahrg. 85, nr. 28, July 11, 1937.
- Mammalia; morphologie, biologie, systematique des mammiferes. Journal publié sous la direction m. E. Bourdelle. Paris. Laboratoire de zoologie des mammiferes, Musée d'histoire naturelle. quar. 4^o. il. 45 francs.
- Sao Paulo, Brazil (State). Departamento da fomento da produccao vegetal. Seccao de Fructicultura. Bolletim. no. 3, June 1937. No price given.
- Trails magazine. The Mountain league of southern California. Los Angeles, Calif. quar. 4^o. il. v. 3, no. 2, Spring 1936. 30 cents a year.
- Sponsored by the Los Angeles county Department of recreation, camps and playgrounds.
- Trees; journal of the Men of the trees. The Men of the trees, 10 Victoria Street, London, S. W. 1. bi-mo. 8^o. pl. no. 1, Oct./Nov. 1936. Membership with publication, 7s. 6d.
- United field worker; organ of the agricultural workers. United field workers publishing association, 10321 Compton Ave., Los Angeles, Calif. w. f^o. il. v. 1, no. 1, Feb. 25, 1937. \$2.00 a year.
- Warsaw. Instytut badania konjunktur gospodarczych i cen. Prace. Warszawa. Temporarily suspended with tom 4, zeszyt 3-4, 1935.
- Zeitschrift für fleischbeschau-trichinenschau. München. Discontinued with jahrg. 28, nr. 12, Dec. 1936. Superseded by Rundschau auf dem gebiete der gesamten fleischbeschau und trichinenschau des schlacht- und viehhofwesens.

MOLKEREI-ZEITUNG - SPECIAL NUMBER

Following the precedent set at the time of the World's Dairy Congress in Copenhagen, 1931, and in Rome, 1934, the publishers of Molkerei-Zeitung (Hildesheim) have issued a special number (August 20, 1937) for the Congress held in Berlin, August 22-28, 1937. Practically one-half of the number (220 pages exclusive of advertising) consists of articles describing and illustrating in excellent manner the dairy industry in Germany. The illustrations are worthy of particular emphasis. Scenes from various sections of Germany and illustrations of the dairy equipment are numerous and are excellently reproduced. Reproductions in colors of old paintings relating to the dairy industry add greatly to the interest in the number. The remaining articles are contributions by authors from each of many of the countries represented at the congress. Each author describes in general the status of the dairy industry in his particular country. These articles, like those contributed by the German authors, are well illustrated.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1937 *

Colorado

- STEWART, T. G. Keep your farm productive: Rotate your crops on irrigated land. (Colo. Agr. Col. Ext. Circ. 118-A.) Fort Collins, 1937.
- STEWART, T. G. Keep your farm productive: Rotate your crops on dry land. (Colo. Agr. Col. Ext. Circ. 119-A.) Fort Collins, 1937.
- LEONARD, C. D. Save your soil by terracing. (Colo. Agr. Col. Ext. Circ. 122-A.) Fort Collins, 1937.
- LEONARD, C. D. Save your soil: How to run contour and grade lines. (Colo. Agr. Col. Ext. Circ. 123-A.) Fort Collins, 1937.

Florida

- A twenty-five years superior in service, culminating with Silver jubilee held by Florida 4-H club girls. (Fla. Univ. Agr. Ext., Fla. Improved Farming Messages, Sixth in a Series.) Gainesville, 1937.

Hawaii

- Commercial egg production in Hawaii: A five-year summary of costs and efficiency studies. (Hawaii Univ. Agr. Ext. Bul. 30.) Honolulu, 1937.

Idaho

- Midsummer livestock outlook, 1937. Idaho Univ. Agr. Col. Ext. [unnumbered] Moscow, 1937. Mimeographed.

Illinois

- CASE, H. C. M., and ACKERMAN, J. Farm leases for Illinois. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 474.) Urbana, 1937.
- RHODE, C. S., and CASH, J. G. A year's progress in dairy herd improvement. Ill. Univ. Agr. Ext. [unnumbered] Urbana, 1937. Mimeographed.

Indiana

- SHAW, T. E., and BRUNDAGE, R. C. The need for woodland improvement in Indiana. (Purdue Univ. Agr. Ext. Bul. 221.) Lafayette, 1937.
- The outlook for Indiana agriculture in 1937. Purdue Univ. Agr. Ext. (un-numbered] Lafayette, 1936.

Kansas

- LOBENSTEIN, H. L. A garden guide for farm and town. (Kans. State Col. Ext. Circ. 101, rev.) Manhattan, 1937.
- The Kansas agricultural outlook for 1937-1938. (Kans. State Col. Ext. Circ. 136.) Manhattan, 1937.

*Prepared in Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1937

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Maryland

- MCPHEETERS, M. Maryland vegetables. (Md. Univ. [Agr.] Ext. Bul. 80.) College Park, 1937. References.
JEHLE, R. A. Sweet potato certification. (Md. Univ. [Agr.] Ext. Circ. 122.) College Park, 1937.
CORY, E. W., and LANGFORD, G. S. The Japanese beetle. (Md. Univ. [Agr.] Ext. Inform. Card 31.) College Park, 1937.
SYMONS, T. B. Twenty-second annual report University of Maryland, extension service for the year 1936. Md. Univ. [Agr.] Ext. [unnumb.] College Park, 1937.

Massachusetts

- COLE, W. R. Home storage of vegetables. (Mass. State Col. Ext. Leaflet 34 [rev.]) Amherst, 1937.
CHENOWETH, W. W., and COLE, W. R. Food preservation. (Mass. State Col. Ext. Leaflet 142 [rev.]) Amherst, 1937.
BOURNE, A. I., and BOYD, O. C. Pest control in the home garden. (Mass. State Col. Ext. Leaflet 171.) Amherst, 1937.

Minnesota

- ARNY, A. C. Alfalfa in Minnesota. (Univ. Agr. Ext. Spec. Bul. 104, rev.) University Farm, St. Paul, 1937.
COOKE, C. Let's look into this chicken business. (Minn. Univ. Agr. Ext. Spec. Bul. 186.) University Farm, St. Paul, 1937.
MORRIS, W. E., and others. Cold storage lockers as a community service. (Minn. Univ. Agr. Ext. Spec. Bul. 187.) University Farm, St. Paul, 1937.
TYLER, A. G. Pumps for farm wells. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter 63.) University Farm, St. Paul, 1937.
WHITE, H. B. An inexpensive farm storage cellar. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter 64.) University Farm, St. Paul, 1937.
THOMPSON, M. J. Disposal of field stones. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter 65.) University Farm, St. Paul, 1937.
CLELAND, S. B., and McNULTY, J. B. County agricultural planning. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 176.) University Farm, St. Paul, 1937. Mimeographed.

Mississippi

- JONES, L. I., and FERRIS, E. B. Winter legumes. (Miss. State Col. Ext. Bul. 85.) State College, 1937.

Montana

- LAMPHERE, W. H. The Montana agricultural outlook. (Mont. State Col. Ext. Circ. 86.) Bozeman, 1937.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1937
(continued)

Nebraska

- DOUGLASS, R. A. Adding beauty in homes through decorative objects.
(Nebr. Agr. Col. Ext. Circ. 1177.) Lincoln, 1936.
DOUGLASS, R. A. Decorative objects one can make. (Nebr. Agr. Col.
Ext. Circ. 1178.) Lincoln, 1936.
BARE, O. S. Pests of the vegetable garden. (Nebr. Agr. Col. Ext.
Circ. 1512.) Lincoln, 1937. Mimeographed.
NELSON, M. B. The girl's room, a place to live. (Nebr. Agr. Col.
Ext. Circ. 11-02-2 [i. e. 11-01-2 rev.]) Lincoln, 1937.

New Hampshire

- HILL, H. E. Home dyeing. (N. H. Univ. [Agr.] Ext. Circ. 201.) Durham, 1937.
HEPLER, J. R. Solving early garden problems. (N. H. Univ. [Agr.]
Ext. Circ. 202.) Durham, 1937.

New Jersey

- DOERMANN, M. C. Canning vegetables and fruits for winter. (N. J. Agr.
Col. Ext. Bul. 195.) New Brunswick, 1937.
DOERMANN, M. Pickles and relishes. (N. J. Agr. Col. Ext. Bul. 196.)
New Brunswick, 1937.

New York

- WRIGHT, F. E. Home and school lighting. (N. Y. Agr. Col. (Cornell)
Ext. Bul. 374.) Ithaca, 1937.

Puerto Rico

- ARRILLAGA, C. G. La cria y cuido de cerdas ~~para~~ crianza. (Puerto
Rico Univ. [Agr.] Circ. de Ext. Num. 7.) Rio Piedras, 1937.
ARRILLAGA, C. G. La cria y ceba de cerdos. (Puerto Rico Univ. [Agr.]
Circ. de Ext. Num. 8.) Rio Piedras, 1937.

South Dakota

- PATTY, R. L. Arranging the buildings in the farmstead. (S. Dak. State
Col. Ext. Circ. 363.) Brookings, 1937.
PATTY, R. L. Irrigating a one-acre garden. (S. Dak. State Col. Ext.
Leaflet [i. e. Circ.] 366.) Brookings, 1937.

Texas

- MORGAN, W. E. Farm plan sheet. (Tex. Agr. Col. Ext. [Circ.] C-114.)
College Station, 1936.

Utah

- AGREN, E. Cleaning and pressing a man's suit and ties. (Utah Agr. Col.
Ext. N. S. Circ. 94.) Logan, 1937.

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BIBLIOGRAPHIES AND LISTS

Miscellaneous

Gourley, James E. Eating round the world. Foreign recipe books and magazine articles in English. The author, New York, 1937. 51 p.

From author's preface: "This List is an attempt to bring together as many foreign recipe books and magazine articles in English as I could find. Actual compilation was begun in 1932 when I started a companion list of 'Regional American Cookery' which was published in the June and July issues of the 'Bulletin' of The New York Public Library. The present List includes only recipe works from non-English speaking countries, and is intended to help the gastronome and those interested in foreign dishes, but who can not read the language of the country from which the recipes originate. Interest in foreign food dishes is, perhaps, greatest in New York City; however, cooks elsewhere often desire to prepare exotic or foreign foods; so it is hoped that this List will guide them as to where recipes in English can be found. The compiler has set all of the type by hand, working mostly at night. Some typographical errors are noticeable; however, it is hoped that these will not detract from the usefulness of the List."

London. Science Museum. Artificial wool from casein. 1937. 1 p. Science library bibliographical series no. 312. Mimeographed. 241.5 L842

----- Papers on elastic fabrics, 1928 and onwards. 1937. 3 p. Science library bibliographical series no. 291. Mimeographed. 241.5 L842

United fruit company. Research dept. Nutritive and therapeutic values of the banana; a digest of scientific literature. Boston, 1936. 143p. 241.64 Un32

U. S. Department of Agriculture

Bureau of agricultural engineering.

Agricultural engineering; a selected bibliography. Compiled by Dorothy W. Graf, Librarian. Washington, 1937. 373 p. Mimeographed. 1.9 En32Ag

Bureau of chemistry and soils.

Publications on hides, skins, tanning materials, tanning processes, and leather. 1937. 10 p. Mimeographed. Issued by Industrial-farm products research division. 1.9 C49292B

Forest Service

List of publications on glue and plywood. Madison, 1937. 8 p. Issued by Forest products laboratory. Mimeographed. 1.9 F871 Lg

Bureau of Plant Industry.

List of publications relating to fungous defects in forest products, including decay in trees. Madison, 1937. 20 p. Issued by Division of forest pathology in cooperation with the Forest products laboratory, Forest Service, Madison, Wis. Mimeographed. 1.9 P693Lf.

Bureau of Public Roads.

Bibliography on highway lighting. By M. A. Wilson. 1937. 30 p. (U. S. Dept. of agriculture. Miscellaneous publication no. 279)

1 Ag84M no.279

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TRANSLATIONS RECEIVED IN THE LIBRARY

From North Carolina State College:

- BEURET, L., and BRUNET, R. Les terrains agricoles (Agricultural soils) and Notions complémentaires (Additional ideas) including Preface. Manuel pratique de l'agriculteur. Paris, 1901. t. 1: 18-36; 598-632. Translated by J. D. Kinard.*
- CAHN, T., and HOUGET, J. Sur l'utilisation des glucides dans le diabète experimental (Utilization of glucosides in experimental diabetes) Acad. Sci., Paris. Comptes Rendus 203: 130. July 6, 1936. Translated by S. T. Ballenger.
- CAHN, T. and HOUGET, J. Sur la transformation du glycogène en acide lactique dans des extraits musculaires de chiens normaux et diabétiques (The transformation of glycogen into lactic acid in muscles taken from normal and diabetic dogs) Acad. Sci., Paris. Comptes Rendus 202: 354. Jan. 27, 1936. Translated by S. T. Ballenger.
- CAHN, T., and HOUGET, J. Sur le sort des glucides dans les extraits musculaires des chiens normaux et diabétiques (The fate of glucosides in muscular extracts of normal and diabetic dogs) Acad. Sci., Paris. Comptes Rendus 202: 985. Mar. 16, 1936. Translated by S. T. Ballenger.
- DESCARTES, S. L. La situación hipotecaria rural en Puerto Rico (The rural mortgage situation in Puerto Rico) Puerto Rico. Agr. Expt. Sta., Rio Piedras. Bul. no. 42. 1936. 44p. Translated by S. T. Ballenger.
- QUINIER, P. Les applications de la genétique en culture forestière (The applications of genetics in forestry) Congrès international de sylviculture. 1st, Rome, 1926. Actes. v.4: 611-619. 1926. Translated by C. W. Comfort.*
- KUHN, A., and HENKE, K. Über einen fall von geschlechtsgekoppelter vererbung mit wechselnder merkmalsausprägung bei der mehlmotte Ephestia kuhniella Zeller (A case of sex-linked inheritance with varying expressions of the character in the meal moth Ephestia kuhniella Zeller) Göttingen. Gesell. Wiss. Math. Phys. Klasse Biol. Fachgruppe 6. n.f. 1(14) 1935. Translated by H. F. Schoolf.**
- LEBEDEFF, A.F. Die bewegung des wassers im boden und im untergrund (The movement of water in the soil and underground). Ztschr. Pflanzenernähr. Düngung. Bodenkunde. teil A. bd.10, hft. 1. 1927. 36 p. Translated by J. F. Lutz.**
- SAREJANNI, J. A. L'apoplexie des arbres fruitiers des environs d'Athènes (Summer wilt of fruit trees in the vicinity of Athens) Inst. Phytopathologique, Benaki. Ann. 3: 45-50. 1935. Translated by K. J. Shaw.*

From Soil Conservation Service:

- TELLA, G. di. Rimboschimenti ed opere murarei nella restaurazione di bacini montani (Reforestation and masonry works in reconditioning mountain basins) L'Alpe. 18: 241-249. May 1931. Translated by Albert Chiera.

*Under the supervision of S. T. Ballenger, Assistant Professor of Modern Languages.

**Under the supervision of Dr. L.E. Ninkle, Professor of Modern Languages.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during August 1937, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Farm solidarity and the general welfare. Address of Secretary of agriculture Henry A. Wallace at Dairymen's co-operative creamery annual picnic, Caldwell, Idaho, Aug. 4, 1937. 10 p. 1.9 Ag8636

Quality cotton production. Address by Harry L. Brown at State-wide cotton improvement meeting, at Orchard Hill, Ga., Aug. 4, 1937. 8 p. 1.9 8640

Some problems of agriculture in 1937, with comments on their solution. Radio talks by Henry A. Wallace, broadcast in the National farm and home hour January 12 to June 1, 1937. 58 p. 1.9 Ag8636

Bureau of Agricultural Economics

Federal grading as it affects beef. By B. F. McCarthy. 1937. 4 p. Prepared for American hereford journal, Aug. 1937. 1.9 Ec713Fed

Maintaining farm grains of recent years. By A. G. Black. 1937. 14 p. Address delivered at Frederick, Md., at joint meeting of Farm Bureau and the Grange of Frederick county, Aug. 11, 1937. 1.9 Ec7Maf

Market and economic services for the retail meat dealer. By C. V. Whalin. 1937. 12 p. Address, 52d Annual convention of the National association of retail meat dealers inc., Cincinnati, O., Aug. 9, 1937. 1.9 Ec713Mes

Official U. S. standards for split-peas. Effective Aug. 10, 1937. 4 p. 1.9 Ec74Psp

Peanut revisions, 1916-1923. 1937. 2 p. Issued by Crop reporting board. 1.9 Ec71Per

Permanent identification of cotton bales. By J. W. Wright and G. E. Gauss. 1937. 28 p. 1.9 Ec733Pi

Production of pears by varietal groups in California, Oregon, Washington, 1925-1936. 1937. 3 p. 1.9 Ec71Ppc

U. S. standards for sawdust pack grapes (Effective Sept. 1, 1937) 1937. 8 p. 1.9 Ec74G

The wholesale fruit and vegetable market in Kansas City. By W. C. Crow. 1937. 35 p. 1.9 Ec754W

*Bibliographies included in general list of bibliographies on page 514.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v.9, no.10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Animal Industry

Bovine genital trichomoniasis. By G. Dikmans. 1937. 3 p. Issued by Zoological division. 1.9 An59B

List of stockyards within the jurisdiction of the Packers and stockyards act. July 1, 1937. 5 p. 1.9 Ag89L

A method of estimating the weights of beef and dual-purpose cattle from heart-girth measurements. By B. Knapp, Jr. 1937. 4 p. (A.H.D. no.24)
Issued by Animal husbandry division. 1.9 An52Ah

The national poultry improvement plan. Issued Sept. 1936; second revision, May 1937. 21 p. (A.H.D. no.14, rev.) Issued by Animal husbandry division.
1.9 An52Ah

Extension Service

Effectiveness of home garden extension. By M. C. Wilson and L. I. Landrum.
Issued January 1931; reissued June 1937. 1937. 23 p. (Extension service, circular 145) 1.9 Ex892Esc

A study of local leadership in 4-H club work. By E. H. Shinn. 1937. 22 p.
(Extension service circular 267) 1.9 Ex892Esc

Forest Service

Effect on gum yield of defoliation by fire. 1937. 4 p. (Southern forestry notes no. 18) Issued by Southern forest experiment station, New Orleans, La.
1.9 F7624S

Forest industrial expansion in southeast Texas-possibilities and dangers. By R. K. Winters. 1937. 6 p. (Occasional paper no.66) Issued by Southern forest experiment station, New Orleans, La. 1.9 F7624O

The forest situation in the hardwood and prairie districts of Minnesota. St. Paul, 1937. 60 p. (Economic notes no.6) Issued by Lake States forest experiment station, St. Paul, Minn. 1.9 F7625E

Forest statistics, Boundary county, Idaho, from the inventory phase of the Forest survey. 1937. 30 p. (Forest survey release no.6) Issued by Northern rocky mountain forest and range experiment station. Missoula, Mont. 1.9 F7628F

Forest statistics for Union county, Oregon, from the inventory phase of the forest survey. 1937. 11 p. Issued by Pacific northwest forest experiment station, Portland, Ore. 1.9 F7629Fst

Heat treatment of steel. A text for the blacksmith and tool sharpener contributed by the Northern region, U. S. Forest service, Prepared by E. C. Covey. Division of enrollee training. 1937. 13 p. 1.9 F7682H

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Forest Service (continued)

The work of the Southern forest experiment station and its application to private forest management. By W. E. Bond. 1937. 6 p. (Occasional paper no. 67)
Issued by Southern forest experiment station, New Orleans, La. 1.9 F76240

Bureau of Plant Industry

Results from the cooperative coordinated oat breeding nurseries for 1936 and the uniform winter-hardiness nurseries for 1936-37, together with average for previous years. Comp. by F. A. Coffman. 1937. 128 p. Issued by Division of cereal crops and diseases. 1.9 P6917Rf

Seeding rates for certain field crops. Comp. by A. J. Pieters and other crop specialists. 1937. 6 p. 1.9 P691Sr

Soil Conservation Service

Wildlife management-erosion control in the Central great plains region. A handbook for soil conservation service technicians. Prepared by H. L. Whitaker and B. Osborn. 1937. 63 p. (SCS-RB-6) Issued by Region 7. 1.9607 W64

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HYDROPONICS

The following extracts are taken from the Market Growers Journal for September 1, 1937:

"'Dirtless Farming' alias Water-culture and Nutrient Solutions culture, is now a full fledged art likely to become a science according to the American Hydroponic Society with headquarters in Chicago.

"'Hydroponics' is the new scientific name for growing plants without soil - and seems to include sand culture and also cinders or other sterile material in which chemicals may be made to supply the plant food, according to the formula or formulas of the hydroponician one patronizes. The word is derived from two Greek words (Hydro, water, and Ponos, labor).

"The society issues regular bulletins to its members."

From this article it will be seen that agricultural libraries may have to decide on one of these headings for their catalogs. The Botany Catalog maintained by the Bureau of Plant Industry Library, U.S. Department of Agriculture, has chosen "Nutrient Solutions" but if "Hydroponics" becomes the popular name, it may have to be substituted.

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AGRICULTURAL LIBRARIES SECTION

Report of the meeting held in New York, June 22, 1937

The Agricultural Libraries Section of the American Library Association held its annual meeting in connection with the A. L. A. conference, on Tuesday afternoon, June 22, in the Jansen suite of the Waldorf-Astoria. The chairman, Rudolf Gjelsness, Librarian, University of Arizona, Tucson, presided. The seven principal speakers discussed various phases of extension of library service to rural areas. Dean Louis R. Wilson, Graduate Library School, University of Chicago, gave some facts and figures about the forty-five million people in the United States without library service, eighty percent of whom are in rural districts. The key note of the meeting was struck by this speaker's emphasis upon the need for cooperation among the agencies attempting to serve this eighty percent. Charles H. Brown, Librarian, Iowa State College, Ames, in his paper, "The University Extension Department, The University Library, and Rural Library Extension," added to this the ways in which state college and university libraries might further the extension programs of their own institutions and cooperate with other library extension agencies. The paper of President Charles E. Friley, of Iowa State College, emphasized the importance of adult education in the rural community. Miss Sarah Askew, New Jersey Library Commission, described in some detail the county library system of New Jersey and the way in which the library workers gave and received aid from county agents, home demonstration agents, parent teacher associations, the granges, and the like. Miss Marion Butters, of the Division of Cooperative Extension Work in New Jersey, outlined briefly ten actual ways in which libraries and her division had cooperated in their programs. In the absence of Miss Madge Reese, Senior Home Economist, Western Section, Division of Cooperative Extension, Extension Service, U. S. Department of Agriculture, some remarks on "Libraries and Reading Programs in the Agricultural Extension Service" were made by Miss C. R. Barnett, Librarian of the U. S. Department of Agriculture. Miss Mary U. Rothrock, Supervisor of Library Service in the Tennessee Valley Authority, discussed the practical means of using every facility available for extending library service which her organization has employed throughout its whole region. Her talk was entitled "Tomorrow's Rural Libraries."

During the short business meeting the reports of three committees were presented - the report of the Committee on Cooperative Bibliographical Aid, Louise O. Bercaw, chairman; the report of the Oberly Memorial Fund Committee, Gilbert H. Doane, chairman, which was read by Miss Jessie M. Allen, a member of the committee; and the report of the Committee to Investigate the Need for a Handbook for Agricultural Libraries, A. Elizabeth Beal, chairman. The Oberly award went this year to Victor A. Schaefer for his "Survey of Current Bibliographies on Agriculture and Allied Subjects" which was published by the International Institute of Agriculture. It was noted that the Committee on the Handbook for Agricultural Libraries should be continued for another year.

Officers elected for the coming year were: Chairman, Icko Iben, Librarian, State Agricultural and Mechanical College, Stillwater, Oklahoma; Secretary, Janice Stewart Brown, Bureau of Plant Industry Library, U. S. Department of Agriculture.

There were approximately one hundred present at the meeting. They came from twenty-eight states, the District of Columbia, and Canada. - Janice S. Brown, Secretary.

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LIBRARY SERVICE IN THE UNION OF SOUTH AFRICA
WITH PARTICULAR REFERENCE TO THE
CENTRAL LIBRARY OF THE DEPARTMENT OF AGRICULTURE
By S. J. Kritzinger, Librarian

As an introduction, the following short summary of the general library development in the Union of South Africa might be of interest.

There are individual cases where very fine library structures have arisen in recent years of which it can be truly said that they are most imposing buildings. Of these, the Johannesburg Public Library and the Library of Witwatersrand are the outstanding examples. On the whole, however, the true appreciation of libraries seems to have been absent just as fine library structures have been found wanting in the larger towns in this country. This apparent indifference towards the library cause is probably due to the small European population in such a vast sub-continent. Certain country areas are very sparsely populated and it may be that the "voortrekker" (pioneering) stage, especially in such areas, has been too long with us.

It has been such a hard struggle to keep libraries going that outstanding developments have been out of the question. The library staffs were largely untrained and facilities for training were conspicuous by their absence. As the profession was unorganized, there was nobody to fight its cause. Cooperation in inter-library loans was practically non-existent.

The greatest event in the development of libraries in South Africa was in 1928 when this country was honoured with a visit from Mr. Milton Ferguson of the United States, and Mr. S. A. Pitt of Glasgow. These two outstanding librarians visited this country under the auspices of the Carnegie Corporation to investigate library matters in the southern point of Africa and to submit a report on their findings. A conference, held in Bloemfontein in the same year, was very well represented and proved a tremendous stimulus towards the library cause.

The South African Library Association was founded on July 5, 1930, with a membership of 89. The number of members today is approximately 260. Triennial conferences of the Association are held. The better administration of libraries is emphasized, assistance in the establishment of new libraries is given, and a quarterly journal, "South African Libraries", is being published beginning in 1933. Since 1934 the Association has been holding examinations in library service, and correspondence courses are conducted for the benefit of candidates preparing for the examinations. In addition to its examinations, the Association organized on behalf of the State Library an annual Vacation School for librarians which lasts for a fortnight each year; a lending library of professional literature has been established (the American Library Association having also presented a collection of American professional literature), and the State Library (one of the two national libraries, the other being the South African Public Library, Capetown) has undertaken to act as "Central Library" to facilitate inter-library loans. A little more than a year ago the Government appointed a committee to investigate the library situation and to submit a report. This committee has already submitted its report to the Minister for the Interior but it still awaits publication. It is expected that if at least some of

LIBRARY SERVICE IN THE UNION OF SOUTH AFRICA

(continued)

the recommendations are carried out the library movement will gain considerably.

The greatest curse of library service in the whole of South Africa is the prevalence of the subscription system, which has been long outgrown, because under this system those in most need of reading matter are debarred from borrowing.

As already pointed out, the small European population is scattered over the countryside, making it difficult for the rural areas to build up their own efficient libraries. It is clear that these unfortunate people can be well served only by a system of circulation from the larger town or regional libraries. Many of the same problems are also common to the schools, which can hardly afford to have suitable libraries available for themselves and yet are seldom in a position to receive literature on circulation from larger libraries.

This is as far as the development of libraries in general has gone in this country, but it may interest readers of Agricultural Library Notes more to learn about the functions of the Main Library of the Department of Agriculture and Forestry.

This Library does not meet all the requirements of the Department, as there are also divisional libraries which are situated a considerable distance away from the Main Library. These divisional libraries naturally concentrate more on the technical literature in the particular fields served by their divisions. Among these are the libraries of the Division of Veterinary Services at Onderstepoort (about six miles away), the Division of Plant Industry, the Division of Forestry, the Division of Chemical Services, and the Library of the Chief Entomologist.

It is not possible to say exactly how many books there are in the Central Library, but the collection of complete works is estimated at 20,000 volumes, besides thousands of bound and unbound periodicals and hundreds of thousands of bulletins and bluebooks. During the depression, the library budget was considerably reduced, but in the last few years the library has been in a position to acquire a fair amount of new agricultural literature. Purchases for the Divisional Libraries are effected by the Central Institution and on receipt the books are classified and catalogued, although, when received in the Divisions, most of the Divisions give the books their own particular classification numbers.

Books are classified under the Dewey Decimal System and for all large new purchases, as well as for re-cataloguing, Library of Congress cards are acquired where possible.

Although the Library serves the Offices of the Department as well as University students, lecturers, and other research workers, it is also making it possible for farmers to borrow through the payment of a deposit of 10/- (approximately \$2.50) and a subscription of 3/- (approximately 75 cents). Members are supplied with franked wrappers and are consequently not debited with any postage charges. In view of the scarcity of agricultural literature, this Library being practically the only one concentrating on agriculture, this service is greatly appreciated. As the conception of free library service to all citizens develops, this agricultural library service will no doubt also become free.

LIBRARY SERVICE IN THE UNION OF SOUTH AFRICA
(continued)

Under ordinary circumstances, more than one book may be borrowed at a time, and when one has been read, it may be returned and a new one applied for. In this way, the borrower may always have one book in his possession, but every book must be returned within one month after receipt unless an extension of time is requested. Persons visiting the Library have free access during the usual office hours and may obtain any information desired.

Books forwarded to readers in the country districts are accompanied by an official cover in which they may be returned, as has already been stated, free of charge. A post card for giving notice that the books have been returned and a printed form on which particulars of any further books that may be required can be indicated are also included. Moreover, a list of the most recent additions to the Library is forwarded to every subscriber monthly.

Besides the service to individual farmers, country schools and farmers' associations are also encouraged to borrow. In their case a deposit of £1 (approximately \$5.00) is required but no subscription. In addition to this free service, the books are submitted through the post free of charge. These farmers' associations and country schools can borrow up to ten books at a time and may keep them on loan for a period of three months. It is assumed that during that time the books are circulated among their members.

Recently farmers from Southern Rhodesia also applied for membership. Their request was granted, although a concession of this kind to individuals outside the borders of the Union is not exploited for publicity purposes.

Some farmers in the Protectorates of Swaziland, Bechuanaland, and Basutoland, have for many years availed themselves of this opportunity. As a result of requests from some of these territories and from Southern Rhodesia, it was also approved that technical officers in the Government Service of these countries acquire books from this Library. The only stipulation was that such requests should go through the Chief of their Departments. When it is realized that this service involves the sending of books to territories outside the borders of this country, it will be appreciated that it is rather of a unique nature.

The Library is still in its youth, having been born in 1910 out of the collection of agricultural books belonging to the Transvaal Department of Agriculture. The Department of Agriculture is a growing institution, as such a large percentage of the population is spread over the country areas, and it can be safely deduced that its Library is on the threshold of great development, both in regard to service to officers of the Department and farmer members.

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LOST BOOKS

The books listed below can not be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library:

- 386.2 Barger, George.
B23 Some applications of organic chemistry to biology and medicine.
- 207 Bizonfy.
B55E English-Hungarian dictionary. Edition 2. Copy 1.
- 251 Elderton, W. P.
E12 Primer of statistics. 1910.
- 443 Hill, Austin B.
H55 Inheritance of resistance to bacterial infection in animal species.
(Medical Research Council (Gt. Brit.) Special report ser. no. 196)
- 56.9 Imperial bureau of soil science. Technical communications. no. 23-33.
Im72 (A bound volume)
- 463.38 Jones, Donald Forsha.
J71 Selective fertilization.
- 7 Scientific agriculture. (A Candian journal) vol. 7, 1926.
Sci 2

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OFFERS

The Library of the U. S. Department of Agriculture has for exchange the following works:

- Motte, Jean. *Castanea crenata*. (Bulletin de la Maison franco-japonaise. Tome 7, no. 1) Tokio, 1935. 114 p. 50 cents.
- Janse, A. J. T. The moths of South Africa. Vol. 1. Sematuridae and Geometridae. Durban, 1932. \$1.50.

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WASHINGTON
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AGRICULTURAL LIBRARY NOTES

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No.10

PRINCIPAL LIBRARY ACCESSIONS*

Agricultural extension

PATTEN, M. The arts workshop of rural America. New York, Columbia university press, 1937. 280.6 P27

Apiculture

BORCHERT, A. Krankheiten der honigbiene. Ed. 4. Berlin, Schoetz, 1937. 424 B64 Ed.4

Biology

NEEDHAM, J. G., and LLOYD, J. T. The life of inland waters. Ed. 3. Ithaca, Comstock, 1937. 442 N28L Ed.3
PEABODY, J. E., and HUNT, A. E. Biology and human welfare. New ed. New York, Macmillan, 1933. 442 P314.

Botany

FERDINANDSEN, C. O. F. Fysiogene plantesygdomme. II. Kemoser. Kopenhagen, Kandrup & Wunsch, 1936. 464 F37
GANDARA, G., and LUMBIER, M. M. Perfil botanico - geologico de la carretera Mexico-Acapulco. México, Secretaría de la economia nacional, Oficina de geografia economica, 1935. 456.1 M574
KANEHIRA, R. Formosan trees indigenous to the island (revised) Formosa, Department of forestry, Government research institute, 1936. 460.15 K132
MASAMUNE, G., and others, eds. Short flora of Formosa. Taihoku, Taiwan, Editorial department of "Kudoa", 1936. 460.15 M37
STEMEN, T. R., and MYERS, W. S. Oklahoma flora. Oklahoma City, Harlow, 1937. 455.59 St4

Bridges

AMERICAN BRIDGE COMPANY. The San Francisco-Oakland bay bridge. Pittsburgh, United States steel, 1936. 290 Am382S
MENSCH, E. C. The Golden Gate bridge. San Francisco, Author, 1935. 290 M52

Chemistry, Chemical technology

CONGRÈS INTERNATIONAL TECHNIQUE ET CHIMIQUE DES INDUSTRIES AGRICOLES. 5th. Scheveningen, 1937. Comptes rendus. Naarden (Hollande) Commission nationale des industries agricoles des Pays-bas, 1937. 388 C765 5th

*Requests which are sent to the library for items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

Chemistry, Chemical technology (continued)

- CONGRESSO NAZIONALE DI CHIMICA PURA ED APPLICATA. 5th, Sardinia, 1935. Atti.
Roma, Associazione italiana di chimica, 1936. 388 C763 5th
- FESTSCHRIFT zum 80. geburtstag von hofrat prof. dr. Hans Molisch. Wien, Haim,
1936. English, French and German. 386 F423
- HOHN, H. Chemische analysen mit dem polarographen. Berlin, Springer, 1937.
(Anleitungen für die chemische laboratoriumspraxis, hrsg. von E. Zintl. bd.3)
387 H88
- KOLTHOFF, I. M. Acid-base indicators. New York, Macmillan, 1937. 387 K83A
- MERCK, E. Merck's reagenzien-verzeichnis. Ed. 8. Darmstadt, Wittich, 1936.
387 M53M Ed.8
- PARTINGTON, J. R. A textbook of inorganic chemistry for university students.
Ed. 5. London, Macmillan, 1937. 386 P25T Ed.5
- TREADWELL, F. P. Analytical chemistry, translated and revised by W. T. Hall.
Ed. 9. v. 1. New York, Wiley, 1937. 387 T71 Ed.9 v.1

Commerce

- POLITICAL AND ECONOMIC PLANNING. Report on international trade. London, 1937.
286 P75
- STALEY, E. Raw materials in peace and war. New York, Council on foreign rela-
tions, 1937. 286 St1
- VINER, J. Studies in the theory of international trade. New York, Harper, 1937.
286 V75S

Comparative anatomy

- CANNON, W. B., and ROSENBLUTH, A. Autonomic neuro-effector systems. New York,
Macmillan, 1937. 444 C16A

Cooperation

- MINNESOTA. DEPT. OF EDUCATION. Co-operation. 5 lessons. St. Paul, 1936.
Processed. 280.2 M662
- NOBLE, K. Fifty years of co-operation in Irthlingborough, being the jubilee his-
tory of the Irthling borough industrial and provident co-operative society from
the year 1885 to 1935. Leicester, Leicester co-operative printing society ltd.,
1935. 280.2 N66
- WHITE, H. F. Cooperative marketing of farm products in the United States. Siloam
Springs, Ark., John Brown university press, 1937. 280.2 W582

Cosmetics

- McDONOUGH, E. G. Truth about cosmetics. New York, Drug & cosmetic industry, 1937.
449.2 M14

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(continued)

Domestic animals, Veterinary medicine

- ANIMAL HUSBANDRY RESEARCH WORKERS' CONFERENCE. New Delhi, India, 1936.
Proceedings. New Delhi, Government of India press, 1937. 49.9 An5
- HARDIE, J. J. A handbook of wool-classing and shed management. Sydney,
Bulletin newspaper co., 1934. 45 H212
- LITTLEWOOD, R. W. Livestock of southern India. Madras, Superintendent Govern-
ment press, 1936. 40 L73
- MIAMI VALLEY AVIARIES. Breeders, dealers and importers of canaries, cage birds,
pets and kindred products. Middletown, Ohio [1936?] 48 M58
- MONTANÉ, L. Anatomie régionale des animaux domestiques. Ed. 2. v. 1, fasc. 1.
Paris, Baillière, 1937. 444 M76 Ed.2
- MOUSSU, G. Les principales maladies des habitants de la basse-cour (volailles
& lapins) Ed. 3. Paris, La Maison rustique, Librairie agricole et horticole,
1937. 41 M86P Ed.3
- RINE, J. Z. Care and feeding of dogs. New York, Grosset & Dunlap, 1936.
48 R47C
- SEIFRIED, O. Die krankheiten des kaninchens. Ed. 2. Berlin, Springer, 1937.
41 Se45 Ed.2
- WHITNEY, L. F. How to breed dogs. New York, Orange Judd, 1937. 48 W61

Economics

- CONGRESO DE INDUSTRIALES DEL ECUADOR. 1st, Ambato, 1935. Actas. Quito, Minis-
terio de prevision social e industrias, Sección industrias, 1936. 280.165 C76
- FAGAN, H. B. American economic progress. Chicago, Lippincott, 1935. 280.12 F13
- FRASER, L. M. Economic thought and language. London, Black, 1937. 280 F862
- GT. BRIT. NEWFOUNDLAND ROYAL COMMISSION. Report. November, 1933. London, H. M.
Stationery off., 1934. (Parliament. Papers by command. Cmd. 4480) 280.134 G79
- GT. BRIT. PALESTINE ROYAL COMMISSION. Summary of report (with extracts) London,
H. M. Stationery off., 1937. (Gt. Brit. Colonial office. Colonial no.135)
280.185 G79S
- LOGAN, E. B., ed. The American political scene. New York, Harper, 1936.
280.12 L822
- LUNBERG, E. Studies in the theory of economic expansion. London, King, 1937.
(Stockholm economic studies, no. 6) 280 L973
- MACLAURIN, W. R. Economic planning in Australia, 1929-1936. London, King, 1937.
280.1992 M22
- MOULTON, H. G. Scientific research in economics and government. Washington,
Brookings institution, 1937. 280.12 M86S
- NEW ORLEANS ASSOCIATION OF COMMERCE. A survey of the New Orleans industrial zone.
New Orleans, 1936. 280.033 N47
- RÜCKVERSICHERUNGSVERBAND KANTONAL-SCHWEIZERISCHER FEUERVERSICHERUNGSANSTALT, Bern.
Elementarschäden und versicherung. Bearbeitet von H. Lanz-Stauffer und C. Rommel.
Bern, 1936. 284.6 R86
- SAY, J. B. Letters to Thomas Robert Malthus on political economy and stagnation
of commerce. Translated. London, 1821. With an historical preface by H. J. Laski.
London, Harding, 1936. (Wheeler economic and historical reprints no.2) 280 Sa9

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Economics (continued)

WALKER, E. A. H. The economic merry-go-round. London, Allen & Unwin, 1937.
280 W157

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- AHMAD, Z. A. The agrarian problem in India. Allahabad, Allahabad law journal press, 1936. (All India congress committee. Congress political and economic studies. no.1) 281.182 Ah5
- ARIZONA. LAWS, STATUTES, ETC. Land code of the state of Arizona, comp. by C. P. Mullen and P. F. Brooks. Phoenix, 1936. 282 Ar42
- BOYD, L. A. Polish countrysides. New York, 1937. (American geographical society. Special publication no.20) 500 Am35S no.20
- CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. AGRICULTURAL DEPARTMENT COMMITTEE. Farm tenancy in the United States. Washington, 1937. 282 C353
- CONNER, M. C., and BING, W. K. An economic and social survey of Patrick county. Charlottesville, University of Virginia, 1937. (University of Virginia record. Extension series. v. 21, no. 6) 281.2 C767
- DOUARCHE, L. Le raisin de table dans le monde. Paris, Gamber, 1936. 281.395 D74
- EGYPT. MINISTRY OF AGRICULTURE. L'Egypte agricole. Le Caire, Imprimerie nationale, 1937. 281.192 Eg9
- HENRY, A. La rentabilité de l'agriculture. Bruxelles, Comité central industriel de Belgique, 1936. 281.172 H39
- MCDONALD, A. R. The real cause of agricultural distress. Galashiels, Scot., Walker. 1937. 281.171 M14
- MALANI, K. P. S. Rural indebtedness in India. Allahabad, 1935. (All India congress committee. Congress golden jubilee brochure no.4) 284.2 M29
- PAGANI, L. Dagli ammassi volontari agli ammassi obbligatori per la disciplina del mercato del grano. Venezia, Istituto federale delle casse di risparmio delle Venezie, 1936. 281.359 P14
- SOHN, F. Amerikanische agrarfragen, gestern - heute - morgen. Berlin, Reichsnährstand verlags-ges. m.b.h., 1937. 281.11 So2

Engineering

- JORDAN, P. R. Ventilation manual for sheet metal contractors. New York, Scott, 1936. 291 J76
- TRAMMAN, E. E. R. Modern construction specifications and standards. New York, McGraw-Hill, 1936. 290 T693M

Entomology

- DÉCAMPS, M. Mon voyage à Sainte-Hélène et destruction des termites dans la maison de l'empereur. Bordeaux, Delmas, 1937. 432 D35
- ENGINEERING NEWS-RECORD. Mosquito control engineering. New York, McGraw-Hill, 1936. 428 En3
- HANDBUCH für den praktischen entomologen. Ed. 2. bd. 2, lfg. 1. Frankfurt a. M., Internationaler entomologischer verein, 1936. 430 H193 Ed.2

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- HARTNACK, H. Household pests in Chicagoland. Chicago, Hartnack exterminating service, 1936. 423 H252 1936
- MASSEE, A. M. The pests of fruits and hops. London, Lockwood, 1937. 423 M383
- PEILE, H. D. A guide to collecting butterflies of India. London, Bale and Danielsson, 1937. 430 P35
- WAHL, B. Der coloradokäfer oder kartoffelkäfer (Doryphora=Leptinotarsa decemlineata Say). Wien, Dworschak, 1937. (Vienna. Bundesanstalt für pflanzenschutz. Beilage zu "Neuheiten auf den gebiete des pflanzenschutzes") 427 W122
- WILSON, H. F., and DOHER, M. H. The historical development of insect classification. St. Louis, Swift, 1937. 422 W692

Fairs

- ILLINOIS. DEPT. OF AGRICULTURE. Recapitulation of the reports of the agricultural fairs receiving aid from the state of Illinois in 1936. [Springfield? Ill., 1937?] 31.3 I163
- JACKSON, G., comp. History of all centennials, expositions and world fairs ever held. [Nelson? Neb.] 1937. 310 J13
- JOHNSON, G. F. History of the Pennsylvania farm products show. [Harrisburg?] Pennsylvania state farm products show commission, 1937. 4 J63

Fermentation, Brewing

- HOPKINS, R. H., and KRAUSE, B. Biochemistry applied to malting and brewing. London, Allen & Unwin, 1937. 390.1 H77
- LAUFER, S., and SCHWARZ, R. Yeast fermentation and pure culture systems. New York, Schwarz, 1936. 390 L36

Field crops

- ANDERSON, CLAYTON & CO., Houston, Tex. Texas cotton from seed to mill. Houston, 1937. 72 An2T
- PEARSE, H. S. Cotton progress in Brazil. Manchester, Eng., International federation of master cotton spinners' and manufacturers' associations, 1937. 281.372 P31C
- PIACCO, R. Saggio di classificazione botanica dei risi coltivati. Vercelli, 1936. (Quaderni della Stazione sperimentale di risicoltura, Vercelli. numero 16, dicembre 1936) English summary. 59.24 P57

Finance

- CARR, R. K. State control of local finance in Oklahoma. Norman, University of Oklahoma press, 1937. 284 C23
- HILLS, J. W. Managed money. London, Allan, 1937. 284 H552

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Food, Cookery

- CORR! PRODUCTS REFINING COMPANY, New York. Flavor and color in bread and sweet yeast doughs. New York, 1935. 389 C812F
GT. BRIT. MINISTRY OF HEALTH. ADVISORY COMMITTEE ON NUTRITION. First report. London, 1937. 389.1 G795Re
MACLEOD, A. L., and NASON, E. H. Chemistry and cookery. Ed. 2. New York, McGraw-Hill, 1937. 389.2 M22 Ed.2

Forestry

- FOREST RESEARCH INSTITUTE AND COLLEGE, Dehra Dun. Forest research and Indian industry. Delhi, 1936. 99.34 F762
LOG SCALING, by R. W. McIntyre and others. Portland, Ore., Timberman, 1936. 99.4 L82
MOON, F. F., and BROWN, N. C. Elements of forestry. Ed. 3. New York, Wiley, 1937. 99 M772 Ed.3
STEBBING, E. P. The forests of west Africa, and the Sahara. London, Chambers, 1937. 99.27 St3
TOUMEY, J. W. Foundations of silviculture upon an ecological basis. Ed. 2. New York, Wiley, 1937. 99.45 T64F Ed.2
TUSTISON, F. E. Forests, trees, and wood. Peoria, Ill., Manual arts press, 1936. 99.79 T87

Geography

- SMITH, J. R. California. Sacramento, California State department of education, 1936. 278.010 Sm6

History

- BIRNIE, A. An economic history of the British Isles. London, Methuen, 1935. 277.171 B53
CLARK, D. E. The West in American history. New York, Crowell, 1937. 135 C54

Home economics

- LOVINGOOD, A. Apartment house management and executive housekeeping. Ed. 2. Los Angeles, Mac printing company, 1937. 321 L94 Ed.2

Horticulture

- BRICHET, J. Le figuier et les figues "de Cosenza". Alger, Gouvernement général de l'Algérie, Direction des services économiques, Jardin d'essai du Hamma, 1937. 93.44 B76
CONGRÈS INTERNATIONAL DE LA VIGNE ET DU VIN. 4th, Lausanne, 1935. Procès-verbaux des séances et résolutions. Lausanne, Imprimeries réunies S. A., 1935. 95.09 C7692P
CONGRÈS INTERNATIONAL DE LA VIGNE ET DU VIN. 4th, Lausanne, 1935. [Report] Paris, Alcan, 1935. 95.09 C7692P

PRINCIPAL LIBRARY ACCESSIONS
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Markets and marketing

- BERTRAND, R. Le corporatisme agricole et l'organisation des marchés en Allemagne. Paris, Librairie générale de droit & de jurisprudence, 1937. (Bibliothèque de science économique. I) 280.3 B462
- BUTNER-THIERRY, A. L'abaissement du prix de revient dans le commerce de détail. Paris, Pedone, 1937. 280.3 B98
- McFARLAND, J. I. Submission by John I. McFarland to Royal grain inquiry commission. Calgary, Alberta, 1937. 280.359 M16
- NEW YORK (CITY) DEPT. OF PUBLIC MARKETS, WEIGHTS AND MEASURES. A survey of the division of the consumers' dollar used in the purchase of fresh fruit and vegetables in New York city, July 1-December 31, 1936. New York city, 1937. Mimeographed. 280.3 N422
- SUCCESSFUL FARMING. Concentrated farm buying power. Des Moines, Meredith, 1937. 280.32 Sui

Mathematics

- SIMPSON, T. M., and others. Mathematics of finance. Ed. 2. New York, Prentice-Hall, 1936. 325 Si5 Ed.2

Medicine

- FAIRBROTHER, R. W. Handbook of filterable viruses. London, Heinemann, 1934. 448 F15
- RAW, N. The control of bovine tuberculosis in man. London, Bailliere Tindall & Cox, 1937. 448 R192

Ornithology

- BURR, J. G. Brief studies in Texas bird life. Austin, 1936. (Texas. Game, fish and oyster commission. Booklet no. 10) 413 B94
- MIAMI VALLEY AVIARIES. Color breeding of canaries, a new and profitable branch of the canary industry. Middletown, Ohio, Miami valley aviaries, 1936. 413 M582
- NIETHAMMER, G., ed. Handbuch der deutschen vogelkunde. bd. 1. Leipzig, Akademische verlagsgesellschaft, 1937. 413 N55

Parasites

- CHARIF, Y. Contribution à l'étude étiologique de l'habronémoze cutanée (Discussion de la théorie parasitaire) Paris, Vigot, 1931. 436 C37
- GALLIEN, L. Recherches expérimentales sur le dimorphisme évolutif et la biologie de *Polystomum integerrimum* Fröhl. Paris, Laboratoire d'évolution des êtres organisés, 1935. (Travaux de la Station zoologique de Wimereux. t. 12, fasc. 1) 436 G133

Planning and planning board publications

- NEW YORK (CITY) MAYOR'S COMMITTEE ON CITY PLANNING. Progress report. New York city, 1936. Processed. 98.5 N48

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- OREGON. INTERIM COMMISSION ON GOVERNMENTAL AND ADMINISTRATIVE REORGANIZATION. Memorandum on the approval of claims by members of boards and commissions of the state of Oregon. [Salem?] 1937. Mimeographed. 280.7 Or339M
- OREGON. COMMISSION ON GOVERNMENTAL AND ADMINISTRATIVE REORGANIZATION. Memorandum on the report of the Interim commission, by C. E. McCombs. [Salem?] 1937. Mimeographed. 280.7 Or339Me
- OREGON. STATE PLANNING BOARD. Mapping program for Oregon. Portland, 1937. 280.7 Or33M
- OREGON. STATE PLANNING BOARD. Statistics of tax reverted lands in Oregon, April-November 1936. Portland, 1936. Mimeographed. 280.7 Or33St
- RHODE ISLAND. STATE PLANNING BOARD. Rhode Island boundaries, 1636-1936, by J. H. Cady. Providence, Rhode Island tercentenary commission, 1936. 280.7 R34R
- SOUTH DAKOTA. STATE PLANNING BOARD. PUBLIC AFFAIRS AND SOCIAL WELFARE COMMITTEE. Indians of South Dakota. Brookings, 1937. Processed. 280.7 So828I

Prices

- CANADA. PARLIAMENT. HOUSE OF COMMONS. SPECIAL COMMITTEE ON FARM IMPLEMENT PRICES. Minutes of proceedings and evidence and report, February 4-April 7, 1937. Ottawa, 1937. 284.3 C166
- HAUSER, H. Recherches et documents sur l'histoire des prix en France de 1500 à 1900. Paris, Comité scientifique international pour l'histoire des prix, 1936. 284.3 H292
- VERONESE, G. Contributo allo studio della vischiosità dei prezzi delle merci. Roma, Edizioni della rivista "Commercio", 1937. 284.3 V59

Psychology

- BINGHAM, W. V. D. Aptitudes and aptitude testing. New York, Harper, 1937. 275 B51

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- INTERNATIONAL CONGRESS OF REFRIGERATION. 7th, The Hague and Amsterdam, 1936. Actes Utrecht, van Boekhoven, 1937. French, English, German, and Dutch. 295.9 In82 7t
- TUCHSCHMIDT, M. W. Die Kältetechnologische Verarbeitung schnellverderblicher Lebensmittel. Kirchhain N.L., Schmiersow, 1936. 295 T79

Roads

- COOK, F. C. Road design and road safety. London, Institution of civil engineers, 1936. 289.6 C77
- GT. BRIT. LAWS, STATUTES, ETC. Trunk roads act, 1936. London, Eyre and Spottiswoode, 1936. 289.91 G79Tr
- MASCHMUSE, IS. DEPT. OF PUBLIC WORKS. Typical sections shown in sequence of costs in each design. Worcester, 1936. 288 M386

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Science

- GEORGE, W. H. The scientist in action. London, Williams & Norgate, 1936. 330 G29
GUNTHER, R. W. T. Early science in Cambridge. Oxford, University press, 1937.
330 G952
SARTON, G. The study of the history of science. Cambridge, Harvard university
press, 1936. 330 Sa7S

Servants

- SWEDEN. SOCIALDEPARTEMENTET. Betänkande och förslag i fråga om utbildning av
hembiträden. Stockholm, Bechmans, 1937. (Statens offentliga utredningar 1937.
no. 16. Hembiträdesutredningens betänkande 1) 321 Sw3

Statistics

- EVANS, W. SANFORD, STATISTICAL SERVICE. Australian acreage map showing acreage
and production of wheat, by states, oats, and corn. Winnipeg, 1937. 271 Ev1 1937
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EVANS, W. SANFORD, STATISTICAL SERVICE. United States acreage map by states.
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PENNSYLVANIA. STATE EMERGENCY RELIEF ADMINISTRATION. DIVISION OF RESEARCH AND STA-
TISTICS. Census of employable workers in urban and rural non-farm areas of Penn-
sylvania, 1934. Harrisburg, 1936. 283 P3843

Taxation

- BOSTON. CITY PLANNING BOARD. Report on the income and cost survey of the city of
Boston, 1935. Boston [1935?] Processed. 284.5 B65
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Florida

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* Prepared in Office of Experiment Stations Library.

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PROUTY, C. C., and HILL, O. J. Chemical sterilization of dairy utensils. (Wash. State Col. Ext. Bul. 234.) Pullman, 1937.
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Brooklyn Bot. Gard. Rec. 26(3) July 1937. 353 p. 451 B79R

This list is arranged by countries and under countries by cities and towns. It gives information regarding the dates of the establishment of the gardens, the area they occupy, the names of the directors, the hours of opening, and the sources of income. In addition, it gives information regarding the herbaria and the libraries and about the publications of the institutions. The information regarding the publications will be particularly useful to librarians. In his preface to the list, Dr. Gager makes special acknowledgment of the invaluable bibliographical assistance rendered by the Librarian of the Brooklyn Botanic Garden, Mr. William E. Jordan. Price \$2.00.

Gourley, J. E. An annotated list of bibliographies of cookery books.

N. Y. Public Library. Bul. 41(9): 696-799. Sept. 1937. 243.7 M482

This list is arranged under the following headings: General, American, English, French, German, Individual, and Specialized. The following interesting comments of the compiler are taken from the introduction to the list:

"I have often been asked 'What is the best list of cookery books?' and have had to reply, 'There is no good printed list of all types of cookery books.' A more adequate answer will be found in the present list of bibliographies. Some are rather sketchy, some fair, some good. I have included also several narrative articles which contain interesting facts about cookery books.

"Of the general lists, Vicaire's Bibliographie gastronomique (1890) has long been the 'standard' for collectors and rare book dealers. This work was printed in a limited edition and is now quite scarce. Vicaire's work must be commended for its inclusiveness, yet it is surprising how incomplete it is; only 2,205 titles of printed books and manuscripts, from the beginning of printing to 1880, are listed. The present writer has a card file of the titles of over 3,000 cookery books printed from 1450 through 1799.

"The only other attempt at a listing of all general cookery books was made by Theodor Drexel. His work was issued in 1885, followed by five supplements from 1885 to 1891, and lists 1,214 titles. One wonders whether Vicaire ever saw a copy of Drexel's work as there are many titles in the latter which Vicaire did not include.

"Most interesting of the specialized lists is that by Waldo Lincoln, Bibliography of American cookery books, 1742-1860, which was first issued in the Proceedings of the American Antiquarian Society at Worcester. This work is the most thorough piece of bibliography ever done on cookery books."

Miscellaneous

American home economics association. Textiles and clothing division. Committee on textile analysis. A selected list of references on the chemical testing of textile materials, prepared by the Committee on textile analysis of the Textiles and clothing division, American home economics association, and the Bureau of home economics, United States Department of agriculture. Washington, 1937. 30 p. 241.4 Am37

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- Berg, R. M. Supplement to management bibliography (covering 1931-1935) comp. under the direction of the A.S.M.E. Management division. New York, American society of mechanical engineers, 1937. 88 p. Processed. 241.3 Am34 1937
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- Lasswell, H. D., and others. Propaganda and promotional activities. An annotated bibliography prepared under the direction of the Advisory committee on pressure groups and propaganda, Social science research council. Minneapolis, University of Minnesota press, 1935. 450 p. 241.3 L33
- London. Science museum. Science library. The application of photography to documentation. (Supplement to no. 212) 1937. 4 p. (Science library bibliographical series no. 320) 241.5 L842
- Books on dust and dust explosions, 1920-1936. 1937. 1 p. (Science library bibliographical series no. 314) 241.5 L842
- The effect of artificial light on plants. 1937. 9 p. (Science library bibliographical series no. 315) 241.5 L842
- Miscellaneous references on insecticides and fish-poisons of vegetable origin. 1937. 14 p. (Science library bibliographical series no. 317) 241.5 L842
- Reclaiming used lubricating oil, 1930-1937. 1937. 5p. (Science library bibliographical series no. 318) 241.5 L842
- References to electrodialysis and electroendosmosis (exclusive of patents) covering the period 1931 - March 31st 1937. 1937. 12 p. (Science library bibliographical series no. 319)
- Michigan industrial education association. Woodwork research committee. Bibliography of publications on wood. [n.p., 193-?] 49 p. 241.4 M58
- Oregon. State planning board. Selected bibliography. Portland, 1937. 6 p. Processed. 280.7 Or33Se

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Bureau of chemistry and soils.

Bibliography on freezing preservation of fruits and vegetables. J. A.

Berry and H. C. Diehl. 1937. 51 p. 1.9 C4925Bf Mimeographed.

Bureau of dairy industry.

Publications relating to icecream. Revised Sept. 1937. 8 p. (Dairy

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State extension bulletins on rural electrification. Comp. by S. P. Lyle.

Apr. 1937. 4 p. (Miscellaneous extension publication no. 38) Issued by

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Size and shape of experiment plots: a partial list of references. Comp. by

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Office of the Secretary

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The United States Department of agriculture. Address by Henry A. Wallace in the Cabinet series of radio broadcasts over the Columbia broadcasting system, Sept. 22, 1937. 8 p. 1.9 Ag8636

Agricultural Adjustment Administration

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Record of regulations by the Secretary of agriculture under the California-Arizona citrus marketing agreement and order for the 1935-36 and 1936-37 season. Issued Sept. 22, 1937. 5 p. Issued by General crops section. 1.94 Sp3Rr

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Summary of talks on regional agricultural situation given by directors of the five AAA regional divisions at the 1938 Agricultural conservation program conference, Washington, D. C., Sept. 14, 1937. 1937. 9 p. 1.42 Ad40

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1937. (A supplement to F. S. -70, The Florida winter-vegetable industry and
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- Commercial fertilizer used on cotton, 1936 and 1937. 1937. 2 p. (Sales
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- Preparation of fire cured tobacco for market. By H. W. Taylor. Sept. 1937.
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- Conference on the National poultry improvement plan in Chicago, Ill., May 24-
28, 1937. 1937. 158p. Issued by Animal husbandry division. 1.9 An525Con

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- Status of eelgrass (*Zostera marina*) on the north Atlantic coast, January 1937.
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Progress of the D. H. I. A. permanent record program. By R. C. Jones.
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Barberry eradication in Pennsylvania [1937?] 12 p. 1.9 En862Bp

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The opportunity in agriculture for the farm boy. By Eugene Merritt. 1937.
14 p. (Extension service circular 264) Revision of Extension service circular
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Farm Security Administration

An analysis of methods and criteria used in selecting families for colonization
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Food and Drug Administration

Proposed food, drug and cosmetic legislation. 1937. 2 p. 1.9 F732Pr

Synopsis of Senate bill 5. Proposed new federal food and drugs act. 4 p.
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American woods: Southern white cedar. July 1937. 4 p. 1.9 F76Am

ERA handbook. Emergency relief appropriation act of June 22, 1936. Revised
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The forests of Alaska. Mar. 1, 1936. Juneau, 1936. 7 p. 1.9 F7673F

Handbook. Civilian conservation corps. Alaska region. July 20, 1937
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Instructions for making timber surveys in the national forests of Alaska.
Jan. 1, 1936. Juneau, 1936. 22 p. 1.9 F7673I

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1937. 10 p. 1.9 F765

Prospective seed crops of forest trees in the northeast, 1937, grouped
according to season of maturity. By Alice Stuart. Issued Sept. 10, 1937.
7 p. Issued by Northeastern forest experiment station, New Haven, Conn.
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Pulpwood and farmers in the south. By W. R. Mattoon. Issued March 1, 1937;
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Volume tables used in connection with the forest survey. Pt. I. Lake States. Pt. II. Kansas. 1937. 66 p. (Economic notes no. 8) Issued by Lake states forest experiment station, St. Paul, Minn. 1.9 F7625E

Yield tables for trees 6.6 inches and more in diameter in even-aged stands of Sitka spruce and western hemlock. Aug. 1937. 8 p. (Supplement to Technical bulletin 544, Yield of even-aged stands of Sitka spruce and western hemlock, by W. H. Meyer) Issued by Pacific northwest forest experiment station, Portland, Ore. 1 Ag84Te

Office of Information

Hold that time for public service by radio. A talk by Morse Salisbury. Aug. 18, 1937. 1937. 5 p. At meeting of American association of Agricultural college editors, Gainesville, Fla. Issued by Radio service. 1.9 In3H

Bureau of Plant Industry

Important plant species encountered on pastures and abandoned farm land in the central and southern Great Plains in 1935 and 1936. 1937. 19 p. By D. B. Savage and H. E. Runyon. 1.9 P391Im

The place of the ginner in the one variety cotton standardization program. Address by C. B. Doyle at the convention of the Arkansas-Missouri ginner's' association, Hot Springs, Ark., July 27, 1937. 1937. 11 p. Issued by Division of cotton and other fiber crops and diseases. 1.9 P6971P
The possibilities of growing plants as sources of perfume products in the United States. By A. F. Sievers. Sept. 1937. 5 p. 1.9 P6991Po

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Design and construction of the drop inlet soil-saving dam. Compiled by the technical unit of the Engineering section. From the designs of Neal Minshall 1937. 32 p. (SCS-EP -14) 1.96 Op2D

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Woodland section of the Manual. 1937. 27p. (SCS-AP-12) 1.96 Op2Ma

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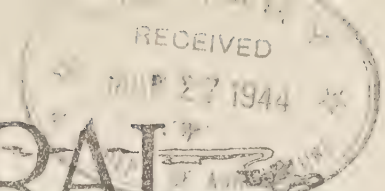
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- GUILLIERMOND, A. La structure de la cellule végétale: Les inclusions du cytoplasme et en particulier les chondriosomes et les plastides. (The structure of the plant cell: the inclusions of the cytoplasm and in particular the chondriosomes and plastids) Protoplasma 16: 291-337. July 1932. Translated by Andrew G. Lang**
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*Under the supervision of Dr. L. E. Hinkle, Professor of Modern Languages.

**Under the supervision of S. T. Ballenger, Assistant Professor of Modern Languages.

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- GOMES, P. Contribuição para a solução do problema agrícola do nordeste do Brasil, Parahyba, Pessoa, 1936. 31.9 G58
STREET, A. G. Farming England. London, Batsford, 1937. 32 St8

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- KICKHOFFEL, K. H. Das Verwaltungsbuch der Reichsfachgruppe Imker. Leipzig, Leipziger Bienenzeitung, 1937. (Ich dien! Buchreihen der Reichsfachgruppe Imker e.v. im Reichsverband deutscher Kleintierzüchter e. v. Reihe I, Buch 1) 424.9 K53
PHILIPP, P. W. Der Waagstock und seine Hilfsgeräte. Berlin, Pfenningstorff, 1936. 424 P532
REICHSFACHGRUPPE IMKER e. v., Berlin. Richtlinien für die Verbesserung der Bienenweide. Leipzig, Leipziger Bienenzeitung, 1937. (Ich dien! Buchreihen der Reichsfachgruppe Imker e. v. im Reichsverband deutscher Kleintierzüchter e.v. Reihe 3, Buch 2) 424 R374
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NOTES ON PERIODICALS
New, Changed and Discontinued

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- American creamery and poultry produce review. New York. Changed to American produce review with vol. 84, no. 25, Oct. 13, 1937.
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- Broad acres; a quarterly journal of agricultural education in Yorkshire. "Broad Acres," Department of agriculture, The University, Leeds. 2. quar. 8^o. il. vol. 1, no. 1, Jan., 1935. No price given.
- El Campesino; revista mensual. Departamento de Control agrícola y ganadero, Durango, Dgo., Mexico. mo. 4^o. il. tomo 1, num. 17, July 1936. Free.
- Chicago. Museum of science and industry founded by Julius Rosenwald. Notes. The Museum of science and industry, Jackson Park, Chicago, Ill. mo. 8^o. il. vol. 1, no. 1, July 1937. No price given.
- Colonizacion y agricultura. Oficina nacional de inmigración, Ministerio de colonizacion, Yanacocha 220 (esq. Mercado). La Paz, Bolivia. mo. 4^o. il. año 1, no. 1, Aug. 1936. Free.
- Comite departemental des bois et resineux de la Gironde. Bulletin. Secrétariat du Comité, 49 bis, Cours Georges Clemenceau, Bordeaux. quar. 4^o. il. année 1, no. 1, May 1936. Free.
- The East African trade review and mining supplement. Nairabi, Kenya. Discontinued with vol. 1, no. 8, March 1935.
- Great Britain. Pigs marketing board. Pigs marketing board bulletin. London. Discontinued with vol. 1, no. 11, Feb. 1937.
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- Jewish agency for Palestine. Economic research institute. Bulletin. Jerusalem. mo. 4^o. vol. 1, no. 1, June 1937. English edition, 250 mils a year.
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- National seedsman. National seedsman publications. 155 North Clark St., Chicago, Ill. mo. 8^o. il. vol. 1, no. 3, Nov. 1937. \$1.00 a year.
- Revista agricola. Asociacion agrícola de Nicaragua, Managua, Nic., C.A. quar. 8^o. il. año 1, no. 1, Oct. 1936. C\$1.00 por año.
- Revista citricola. Asociacion citricola de Sao Paulo, Rua Libero Baldara, 314 - 3^o mo. 4^o. il. anno 4, no. 4, Apr. 1937. 36\$000 anno (Portuguese)
- Revista mexicana de medicina veterinaria. Sta. Catarina 14, Coyoacan, D. F. mo. 4^o. il. tomo 1, num. 2, Oct. 1936. No price given. Organo de la Escuela nacional de medicina veterinaria de la Universidad nacional autónoma de Mexico.
- Wisconsin outdoors. Wisconsin outdoors, inc., Reedsburg, Wis. mo. 4^o. il. vol. 1, no. 8, Mar. 1937. \$1.00 a year.

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THE JOURNAL OF THE SOCIETY FOR THE BIBLIOGRAPHY OF NATURAL HISTORY

The Library has received the first three parts of volume 1 of the Journal of the Society for the Bibliography of Natural History, published respectively on October 17, 1936, February 15, 1937, and July 1, 1937. The contents of these three numbers are noted below:

- Part 1. A catalogue of papers concerning the dates of publication of natural history books. By Francis J. Griffin, C. Davies Sherborn, and H. S. Marshall.
- Part 2. The dates of distribution of the fascicles of the "Catalogue des Collections de Selys Longchamps." By J. Cowley.
- On the Dict. Univ. d'Hist. Nat. of d'Orbigny. By Tom Iredale.
- On the dates of publication of Costa (O.G.) and (A.) Fauna del Regno di Napoli, 1829-1886. By C. Davies Sherborn.
- Lopez y Ramos. "Historia natural del los Insectos que atacan la Vina," etc. By C. J. Colledge.
- On the dates of publication of Webb and Berthelot's "Histoire Naturelle des Îles Canaries." By William T. Stearn.
- Part 3. On a collection of original sketches and drawings of British sea-anemones and corals by Philip Henry Grosse, and his correspondents, 1839-1861, in the library of the Horniman Museum. By L. J. P. Gaskin.
- The dates of publication of Bentham's Flora Australiensis. By H. S. Marshall.
- The pagination of the reprints of the Selysian Monographs and Synopses of Odonata. By J. Cowley.
- The "Archiv der Insectengeschichte" of J. C. Fuessly. Heft 1-8, 1781-1786. By Francis J. Griffin.
- Doubleday, H., 1850, a synonymic list of British Lepidoptera, London, [1847]-[1849], 1850. By Francis Griffin.

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CONGRESSES

X. International Congress of Chemistry, Rome, 15 to 21 May 1938. Communications should be addressed to the Congress at Via Panisperna, 89-A, Rome, Italy.

7th International Management Congress, Washington, D. C. [Sept. 19-23], 1938. Called by the International Committee of Scientific Management with Affiliated Management Councils from Belgium, Brazil, Bulgaria, Czechoslovakia, France, Great Britain, Holland, Hungary, Italy, Jugoslavia, Poland, Roumania, Spain, and the United States of America.

SELECTED LIST OF ZINEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during October, 1937, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Charting the course for cotton. Address by Henry A. Wallace before meeting of farmers at Memphis, Tenn., Oct. 1, 1937. 27 p. 1.9 Ag8636

Ever normal granary and economic security. Address by Henry A. Wallace on program of New York Herald Tribune forum, New York city, Oct. 5, 1937. 7 p. 1.9 Ag8636

Farm solidarity. Address by Henry A. Wallace before meeting of farmers called by Kentucky farm conference committee at Louisville, Ky., Oct. 2, 1937. 19 p. 1.9 Ag8636

Agricultural Adjustment Administration

Agricultural conservation. Address by E. A. Miller, assistant to director. Sept. 26, 1937. 5 p. Issued by Southern division. 1.42 So8Ac

Directors of extension, administrative officers and state committeemen of the southern region. 1937. 3 p. Issued by Southern division. 1.42 So8D

1938 Agricultural conservation program bulletin. 1937. 26 p. (ACP-1938) 1.42 Ad40

Bureau of Agricultural Economics

Agricultural outlook charts. Cotton, 1938. Issued Oct. 1937. 21 p. 1.9Ec70c

Agricultural outlook charts. Dairy products, 1938. Issued Oct. 1937. 23 p. 1.9 Ec70dc

Agricultural outlook charts. Demand, credit, and prices, 1938. 28p. Issued Oct. 1937. 1.9 Ec70de

Agricultural outlook charts. Farm family living, 1938. Issued Oct. 1937. 27p. 1.9 Ec70fa

Agricultural outlook charts. Fruits and nuts, 1938. Issued Oct. 1937. 45 p. 1.9 Ec70fr

Agricultural outlook charts. Hogs, 1938. Issued Oct. 1937. 14 p. 1.9Ec70hc

Agricultural outlook charts. Poultry and eggs, 1938. Issued Oct. 1937. 20 p. 1.9 Ec70pc

Agricultural outlook charts. Rice, dry beans, and broomcorn, 1938. Issued Oct. 1937. 11 p. 1.9 Ec80ri

*Bibliographies included in general list of bibliographies on page 577

**For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- Agricultural outlook charts. Sheep, lambs, wool, 1938. Issued Oct. 1937.
23 p. 1.9 Ec70lc
- Agricultural outlook charts. Wheat and rye, 1938. Issued Oct. 1937. 29 p.
1.9 Ec70wc
- Crop insurance in foreign countries. 1937. 16 p. (F.S.-71) 1.9 Ec752 no.71
- Federal and federal-state equal-to-type rice inspection service in the south.
By W. D. Smith. Oct. 1937. 4 p. 1.9 Ec72Ff
- The place of crop insurance in a farm program. By R. M. Green. 1937. 4 p.
Address, Farmers elevator association of Nebraska, Omaha, Nebr., Oct. 21,
1937. 1.9 Ec78Pl
- Tobacco inspection, market news, and demonstration services (Burley) by H. W.
Taylor. Sept. 1937. 17 p. 1.9 Ec714Ti
- The world sugar situation, 1937. Oct. 1937. 44 p. 1.9 Ec752Ws

Bureau of Animal Industry

- List of the names of counties in modified accredited areas for tuberculosis,
as of July 1, 1937. 30 p. 1.9 An533L

Bureau of Chemistry and Soils

- Information on the manufacture of pretzels. 1937. 2 p. Issued by Food research
division. 1.9 C4925Inf
- Lessons from the New London, Texas, school explosion. By D. J. Price. 1937.
13 p. Address, 65th annual conference, International association of fire
chiefs, Oklahoma City, Okla., Oct. 19, 1937. 13 p. 1.9 C4922Pri

Biological Survey

- Preserves and ranges maintained for buffalo and other big game. By Clara
Ruth. 1937. 20 p. (Wildlife research and management leaflet BS-95.)
(Issued by the Section of big game refuges and games agents, Division of
game management.) 1.9 B524 W
- Abstract of fur laws, 1937-38. Compiled by F. G. Grimes. 1937. 31 p.
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of public relations.) 1.9 B524 W

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Chemistry and Soils
(Continued)

Urgent need for program on agricultural accident prevention. By D. J. Price.
4 p. Statement presented as chairman of Agricultural safety section at 26th
National safety congress, Kansas City, Mo., Oct. 15, 1937. 1.9 C4922Pri

What have we learned from the New London, Texas, school explosion? by D. J.
Price. 13 p. Address, Child safety section, 26th National safety congress,
Kansas City, Mo., Oct. 12, 1937. 1.9 C4922Pri

Commodity exchange administration

Activities and aims of the Commodity exchange administration, by J. M. Mehl.
9 p. Address delivered at Annual meeting of Cotton-textile institute, New
York city, Oct. 27, 1937. 1.9 C73A

Bureau of Dairy Industry

The cow tester's manual. By J. C. McDowell and J. F. Kendrick. 1937. 43 p.
(BDIM-699 revised) 1.9 D145Cow

Recording the identity and production performance of all animals in dairy herd-
improvement associations. By J. F. Kendrick. 1937. 9 p. (BDIM-720, revised
Oct. 1937) 1.9 D145R

Extension Service

Situations, problems, and interests of unmarried rural young people 16-25 years
of age. Survey of five Maryland counties, 1936. B. D. Joy and T. B. Manny.
1937. 31p. (Extension service circular 269) 1.9 Ex892Esc

Motion pictures of the United States Department of agriculture. Oct. 1937.
55 p. Issued by Division of motion pictures. 1.9 Ex894Mo 1937

Farm Security Administration

Survey of agricultural labor conditions in Concordia parish, Louisiana. By
Tom Vasey and J. C. Folsom. Oct. 1937. 13 p. (In cooperation with
the Bureau of Agricultural economics) 1.95 Sul

Survey of agricultural labor conditions in Wayne county, Pennsylvania. By
Tom Vasey and J. C. Folsom. Sept. 1937. 11 p. (In cooperation with the
Bureau of agricultural economics) 1.95 Sul

Tenure of new agricultural holdings in several European countries. By E.
Kraemer. 92 p. (Social research report no. 2) In cooperation with the
Bureau of agricultural economics. 1.95 Sol

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

(continued)

Forest Service

- American woods: Oak. By H. S. Betts. Issued Aug. 1937. 16 p. 1.9 F76Am
- Artificial resin glues for plywood. Revised Sept. 1937. 3 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761 Arg
- Definitions and classifications of waste in cutting up factory lumber. 1937. 5 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Dc
- The doubtful identity of fungus no. 517, by C. A. Richards. 1937. 3 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Do
- Electrical moisture meters for wood. By M. E. Dunlap. 1937. 4 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761El
- Forest resources of southwest Arkansas. A progress report by The Southern forest survey. 1937. 21 p. (Forest survey release no. 27) Issued by the Southern forest experiment station, New Orleans, La. 1.9 F7624F
- Forest statistics, Bonner county, Idaho. From the inventory phase of the Forest survey. 1937. 31 p. (Forest survey release no. 7) Issued by the Northern Rocky mountain forest and range experiment station, Missoula, Mont. 1.9 F7628F
- Forestry for the Great Plains. U. S. Forest service. Prairie states forestry project. Lincoln, Nebr., 1937. 14 p. 1.9 F 7612
- The forests of Alaska. Oct. 15, 1937. 8 p. Issued by Alaska region. 1.9 F7673F
- Hardwood and softwood drying schedules. Revised Aug. 1937. 4 p. (Technical note no. 175) Issued by Forest products laboratory, Madison, Wis. 1.9 F761
- Improvement handbook, 1937. Prepared by Division of engineering. 1937. 446 p. 1.9 F765I
- A method of studying the factors affecting initial survival in forest plantations by P. C. Wakeley and R. A. Chapman. 1937. 19 p. (Occasional paper no. 69) Issued by Southern forest experiment station, New Orleans, La. 1.9 F76240
- Minimizing wood shrinkage and swelling; effect of heating in various gases. By A. J. Stamm and L. A. Hansen. 1937. 5 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Mw
- Minimizing wood shrinkage and swelling; treatment with sucrose and invert sugar. By A. J. Stamm. 1937. 5 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761 Mws
- A proposed system of classification for house paints. By F. L. Browne. 1937. 16 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Ps

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (continued)

Selection of wood for industrial uses. By R.P.A. Johnson. 1937. 9 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761 Sel

Temperatures necessary to kill fungi in wood. By M. S. Chidester. 1937. 10 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761 Tem

Tools and labor requirements for pruning longleaf pine. 4 p. (Southern forestry notes, no. 19) Issued by Southern forest experiment station, New Orleans, La. 1.9 F762 4S

Bureau of Public Roads

What is expected of our highways? By T. H. MacDonald. 14 p. Paper presented at 23d Annual meeting of American association of state highway officials, Boston, Mass., Sept. 27, 1937. 1.9 R53 Ad

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TRANSLATIONS RECEIVED IN THE LIBRARY

From North Carolina State College:

HEINK, G. Mikroskopie an kuntseide (Microscopical examination of artificial silk) Melliland Textilber. 9: 38. Jan. 1928. Translated by A. H. Grimshaw under the supervision of Dr. L. E. Hinkle, Professor of Modern Languages.

From Soil Conservation Service:

CANDURA, G. Studi ed esperimenti sulla fognatura dei terreni con l'aratro-talpa (Studies and experiments on the drainage of lands with the mole-plough) Congresso nazionale di meccanica ~~agricola~~ 1st, Rome, 1932. Atti. p. 353-373. Translated by Albert Chiera.

MOTTE, J. Le kuzu (Pueraria Thumbergian, Benth.) (The Kuzu) Agron. Colon. no. 235: 1-10. July 1937. Translated by Albert Chiera.

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OFFERS

The Library of the U. S. Department of Agriculture has for exchange the following work:

The Silk Culturist. Hartford, Conn. v. 1, no. 1-6, 8-11. May-Sept., Nov.-Dec. 1835, Jan.-Feb. 1836.

The Library of the Oregon State College, Corvallis, Oregon, has acquired a number of duplicates of State agricultural experiment station bulletins (very few later than 1920) and early U. S. Department of Agriculture Farmers' Bulletins. These cannot be itemized but Want Lists will be checked if received by February 1, 1938.

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DER SCHWARZROST

By Dr. Ernst Lehmann, Dr. Hans Kummer, and Dr. Hans Dannemann
Reviewed by Dr. Harry B. Humphrey, Bureau of Plant Industry

There recently has come to hand - this time from the press of J. F. Lehmanns, Munich and Berlin - a work of no little interest to plant pathologists of whatever stripe and of very vital interest to those specially concerned with the cereal rusts and with stem rust and its control, in particular. The work here called to the reader's attention is Lehmann, Kummer, and Dannemann's DER SCHWARZROST, seine Geschichte, seine Biologie, und seine Bekämpfung in Verbindung mit der Berberitzenfrage, 584 pages, 87 text figures, and 1 colored plate. It is quite the most ambitious undertaking of its kind that has yet been made available to the plant pathologist, whether teacher or investigator. A more thoroughly documented work, devoted as it is to a fairly specific field of research, would be hard to find.

The authors of DER SCHWARZROST are to be congratulated on behalf of their excellent organization of the subject matter and on behalf of their success in keeping in full view of the reader, and with unflinching consistency, their central objective, i.e., the relation of the common barberry to the incidence of stem rust. Quite logically, the text leads, step by step, to the final 100 pages (exclusive of 36 pages of literature citations) devoted to the practical control of the disease of every means known to science and especially by barberry eradication.

The work is essentially a compilation of the most important facts that the authors, after much searching and gleaning, were able to bring together within the compass of a single volume.

The characteristic comprehensiveness with which they have treated each major part of DER SCHWARZROST cannot, for want of space, be fully gone into here, but it can, in some measure, be made known to the reader of this quite inadequate review by here presenting in brief an outline of that section of the text devoted to II. Black rust and its history (37 pages).

This section is treated under the following 8 subsections:

- A. The history of cereal rusts from ancient times to the middle of the 17th century.
- B. The 18th century.
 - I. The difference between rust and smut.
 - II. Ideas as to origin of rust.
- C. Black rust as a fungus.
 - I. Establishment of its fungous nature.
 - II. Particulars concerning the black-rust fungus.
- D. Aecidium berberidis and its relationship to grain rust.
 - I. Before de Bary.
 - II. De Bary.
 - III. The pycnidia.
 - IV. In addition to Aecidium berberidis are there other Aecidia within the life cycle of Puccinia graminis?
- E. Is the heteroecism of P. gr. necessary?

DER SCHWARZROST
(continued)

- I. The status of the question.
- II. Are the sporidia capable of inducing direct infection?
- III. The question of perpetuation of black rust through [infected] seed.
 - 1. Direct carry-over.
 - 2. Eriksson's mycoplasma theory.
- IV. Life span of the black-rust fungus by means of the uredial stage only.
- V. Puccinia graminis and wild grasses.
- VI. Uredial and telial stages on the barberry.
- F. Sexuality and cytology.
 - I. Change in the nuclear phases.
 - II. Craigie's contributions.
 - III. Individuality of the cytological relationships.
- G. The disease aspects of black rust in its individual developmental stages.
 - I. References to the literature.
 - II. The disease aspects.
 - 1. The uredo- or summer-spore stage.
(English uredinia).
 - 2. The teleuto- or winter-spore stage
(English telia).
 - 3. The aecidium stage.
 - a. The pycnidia p.27. - b. The aecidia,
clustercups p.28.
- H. Specialization within the species P. gr.
 - I. The special forms of stem rust (Formae speciales).
 - 1. Establishment of special forms.
 - 2. The host range of a single special form.
 - 3. Consideration of the host ranges of some special forms
 - a. According to Klebahn. - b. According
to Stakman and Levine.
 - 4. The special forms and their morphological differences.
 - II. The biotypes.
 - 1. Generalities.
 - 2. Biotypes of P. gr. tritici Erikss. and Henn.
 - 3. Biotypes of P. gr. secalis Erikss. and Henn.
 - 4. Biotypes of P. gr. avenae Erikss. and Henn.
 - 5. Biotypes of P. gr. agrostidis Erikss. and
Henn. and P. gr. poae Erikss. and Henn.
 - 6. Biotypes of P. gr. phleipratensis (Erikss.
St. and Piem.

This example of the detailed organization of a portion of the text of DER SCHWARZROST is typical of the treatment accorded the entire thesis. DER SCHWARZROST will be of much value as a work of reference for graduate students and specialists in uredinology and rust parasitology.

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TOBACCO: ITS HISTORY

A Review

The Department has recently acquired the first volume of a monumental work on the history of tobacco. The full title is as follows: "Tobacco: Its History, Illustrated by the Books, Manuscripts and Engravings in the Library of George Arents, Jr., with an Introductory Essay, a Glossary and Bibliographic Notes by Jerome E. Brooks." It was published by The Rosenbach Company of New York in May 1937 and was purchased by the Tobacco Section of the Bureau of Agricultural Economics. Because of its importance, it is believed that a full description of it will be of interest to readers of Agricultural Library Notes. The following review by Frederick M. Hopkins is taken from The Publishers' Weekly for July 17, 1937:

"The first volume... confirms all that the reputation of the great collection has led the world to expect, and a great deal more, since the undertaking became known several years ago. This work, when complete, will comprise four quarto volumes (10 x 13 inches) of approximately 500 pages each, a model typographically, substantially bound in brown buckram, illustrated by hundreds of reproductions of title pages, cuts of the tobacco plant, its cultivation, manufacture, portraits of authors and maps. A number of illustrations will be in color. It was designed by the Haddon Craftsmen, and the composition, printing and binding were done there. The offset was done at the Offset Gravure Corporation. The Introduction, which occupies 173 pages of the first volume, is a masterly summary covering the last four centuries, from the discovery of America, the starting point of this history. In addition to the Introduction (made most authoritative by abundant footnotes) and a full index, the work will contain details of something over 4,000 items described bibliographically, accompanied by exhaustive illuminating notes. This monumental work will be limited to 300 numbered copies of which 265 are offered for sale at \$265 for each set.

"The Arents library, comprising over 4,000 items, mainly first editions and manuscripts in eighteen languages, all relating to the subject of tobacco, is incomparably the finest of its kind in existence. It is the result of forty years of ceaseless intensive collecting, with an outstanding objective that has continued enthusiastically. The apparent success is extraordinary because it has provided resources in information without any parallel in this difficult field. The abundance of material, the way in which it has been gathered, and the use made of it, will be an inspiration in years to come in other fields, where vision, patience, research and untiring application are fundamentally important in accomplishment.

"Scholarly research will inevitably have its due, but the point of view of the real collector should not be overlooked. Only a book lover, with a collector's enthusiasm and devotion, could have made such a thorough job in a single lifetime. Research was important but the passion for acquisition was indispensable, perhaps fundamental. There is abundant evidence of the appreciation of practical historical information, and there is plenty of evidence of the imaginative, sentimental lover of books. For instance, there are hundreds of official pieces, such as original proclamations, Privy Council letters, edicts, decrees, and laws emanating from the principal countries of Europe as well as from Anglo-American colonies. This material is important for its historical value, but priceless to the collector with a passion for original source material.

TOBACCO: ITS HISTORY
(continued)

This is apparent in the many volumes in royal bindings, including all the English rulers from Queen Elizabeth to King Charles II, represented by magnificent examples invaluable for their sentimental association interest.

"It is from this remarkable collection that the first real history of tobacco has been produced. This definitive work is utterly unlike the usual library catalog or the ordinary bibliography, because the material, encyclopaedic in its comprehensiveness, most authoritative in its character and treatment, has told the story in a masterly, interesting way from the time of the discovery of America, and it includes all phases: historical, literary, medical, economic and social. We are warranted, we believe, in saying that in no other way could the history of tobacco have been written so completely and effectively.

"Columbus first saw tobacco, according to an entry in his Journal, on October 15, 1492, in the canoe of a West Indian. From the time of his return to Europe, tobacco began to attract general attention, and writers in all fields of literature were soon giving it attention. Explorers, historians, herbalists, scientists, philologists, poets, dramatists, economists, and novelists have since dealt with this interesting theme. The Arents library is replete with works famous in English literature. The early explorers are represented, Vespucci being the first to allude to tobacco in a volume printed in 1507, and was followed by Peter Martyr, Thevet, Benzoni, Ferdinand Columbus, and by their editors, Hakluyt, Be Bry and Purchas. Among the herbalists and botanists, Dodoens, Mattoili, Pena and De'l'Obel, Monardes, De l'Escluse, Gerard and Parkinson have contributed profusely to tobacco lore. The Elizabethan and Jacobean poets provide an entertaining commentary. Spenser, in 'Faerie Queene,' first mentions the 'divine herb' in English literature. The writings of Jonson, Lyly, the Earl of Essex, Dekker, Marston, Beaumont and Fletcher, Middleton, Rowlands, Nash, Chapman, and Brathwait contain hundreds of references to tobacco. The Restoration dramatists, Molière, Johnson and Boswell, Sterne, Fielding, Dickens, Thackeray, Kipling, Barrie and Machen are among the authors who have found tobacco an interesting topic. This phase is of absorbing interest to students of the subject.

"In a section entitled 'On the Form of the Catalog and a List of References' Mr. Brooks outlines his method, which will be of interest to bibliographers and authors... The long period, the ramifications of the subject, its polyglot character, all united to create a very difficult problem, and it was only after thorough knowledge of the material, much study, and some experimentation, that the final plan was adopted... There seems to be general agreement, so far as there has been an expression of opinion, that he has devised the best possible method of handling the great mass of detail and moulding it into an interesting and practical form...

"The last word cannot be said until the four volumes are available. But the first volume, published in May, contains the major section, and the general plan and the final result can be easily visualized. In Mr. Arents, resourceful and indefatigable collector; Mr. Brooks, editor and author; and The Rosenbach Company as publisher, there is a happy union of forces that has accomplished a result that will be memorable. All are entitled to enjoy their worthy success."

POULTRY PRODUCTS AND THE LIBRARY PROBLEM

In August 1936 there was held at the Virginia Polytechnic Institute, Blacksburg, under the auspices of The Institute of American Poultry Industries (110 North Franklin Street, Chicago, Illinois) a conference of representatives of the poultry industry, scientists, and librarians, to consider the library needs of the poultry products industries. The conference was arranged by Mr. Paul Mandeville, Vice President to The Institute of American Poultry Industries. At the conclusion of the conference, a committee was appointed to make a report. The members of the committee were the following: Dr. L. J. Cole, Dr. H. M. Lydenberg, Mr. Paul Mandeville, Dr. M. E. Pennington, Dr. J. R. Schramm, Mr. G. F. Stewart, and Miss Claribel Barnett. To provide a necessary background for the recommendations of the committee which have been submitted to the National Advisory Committee on Research of the Institute, Mr. Paul Mandeville has recently prepared a 32-page pamphlet entitled "Poultry Products and the Library Problem." The following paragraphs selected from various chapters of the pamphlet point out some of the more important difficulties as related to libraries:

"The poultry industries need above all the help which libraries can give them, but the libraries are rarely organized to serve individual industries. The latter are expected to organize their own services for tapping the libraries and the poultry industry seems to lack the kind of organization which can tax the product effectively for doing work from which dividends will not be realized for some years. Probably few if any industries present as challenging a problem as this for scholars and librarians, working with industry, to solve...

"The industries dealing with poultry products have a special problem of interest to librarians - how to save some of the time, labor and money now spent in getting out of the existing library services the titles, abstracts and original publications related to these subjects, how to segregate and partially digest them for the use of both occasional inquirers and those bent on a thorough specific inquiry. In solving these problems, investigators of poultry products seem to need more help from people who are concerned with the library as such than do investigators of husbandry whose work lies more exclusively in one department of science, namely, the biological sciences. The study of poultry products, on the other hand, leads into many sciences. We shall show later on why this difference is important to the library problem...

"Only a fraction of the population utilizes the libraries for scientific purposes. The knowledge once gained almost exclusively from libraries is now popularized through periodical literature, the daily press, the drama and the radio. These aids to the transmission of knowledge, their variations and modifications, now replace the libraries for many people. We depend on them so much that we often regard as unimportant any knowledge that is left buried in libraries. We expect anything important to be seen or heard on the run, so to speak...

"The piecing together or synthesis of the available knowledge which applies to an industry problem is a creative activity of the highest order. It must, in the end, be attempted by a man who, however scientific he may be, is practical, who knows the dollar value of the end sought...

"The difficulty of indexing the literature of any scientific or technical subject lies not only in its quantity, but in its scattered nature. This happens because any scientific fact is of interest from several points of view and may be recorded in a periodical devoted to one of a widely differing set of subjects...

POULTRY PRODUCTS AND THE LIBRARY PROBLEM
(continued)

"A profession of library research, were its importance understood, would compare favorably in usefulness to the profession of journalism - indeed the two are related, but library research is not as yet staffed with people technically trained for the task imposed by industry. Often also the libraries are searched to prove conclusions already arrived at or greatly desired, hence with an unprofessional bias. For this reason, the work of one reviewer is not as useful as it should be; it is not good library research, in other words...

"The proper approach to coordinating the problems encountered in the poultry products industries, indeed, the only approach that is economical of time and effort, is through systematic library research which is organized around the industry itself, so designed as to use the results of scholarly research or of practical experience, both of which are of equal importance. It may be that some of the important experiences of industry are not to be found in publications and will have to be written down in the form of interviews and afterwards analyzed by the scientists. This, too, is closely related to library research...

"The business value of library research differs from that of original research in that the latter reduces something new, of uncertain value, which on the whole, pays enormous dividends. These dividends are not, in each case, proportionate to the efforts expended. As everyone knows, there are many false leads and much wandering. One problem is to reduce the wandering and the total cost of research. Organized library research should do this for the rank and file investigator...

"In subjects related to eggs and poultry, investigators are often sequestered by the nature of the problems that they are studying and by their necessary location in laboratories far removed from the libraries where they must go to find the materials for library research. Without access to these materials the workers are handicapped immeasurably. Small laboratories do not commonly carry extensive bibliographical aids but depend on the nearest large library, a fact that deters many workers from consulting freely the indices and abstract services without which they work seriously in the dark.

"Even the favorably situated workers in a well defined field of research like poultry husbandry find that the usefulness of reference books and bibliographical services at their disposal is limited by the time they can take to consult them. Comparatively few research workers of this class command library assistants to run down the literature for them and the more advanced and successful the person doing the research, the more likely he is to be burdened with administrative or professional duties, which absorb much of the time that should otherwise be employed in library research...

"But the final and most convincing argument for the business value of library research is found in libraries themselves, as everyone knows who has read widely in subjects related to science and industry or who has had to consult the patent office. The elaboration of knowledge is such that only by organizing library research with reference to a particular industry can the latter take full advantage of the past and build upon a more permanent basis as the years go by"...

AMERICAN RURAL POETRY: SOME RECENT CONTRIBUTIONS

Two books of American rural poetry have been issued in the past few months. One of these is a collection of poems of a single poet and the other contains the outpourings of many authors. The work of the single poet is entitled "Country Men" and is by James Hearst. It was issued this fall by the Prairie Press, Muscatine, Iowa. The foreword is by Ruth Suckow, from which the following is quoted:

"It is appropriate that James Hearst's poems, known for some years to magazine readers but now collected for the first time, should be published by the Prairie Press. Not that these are poems of local color; that would be putting them within limits which they do not deserve. It would not be fair, either, to stick on them that old tag, grown meaningless with over-use, of 'poems of the soil.' They are, rather, in content and expression, an outgrowth of prairie country: not merely descriptive, rural in the lesser sense of the term, but having their center in a prairie farm, and sharing in its homeliness and its broad horizons. Beneath their delicate and sensitive expression lies a quiet firmness. Such poems, in turn, enrich the land by which they are nourished; are its product, as certainly as corn or wheat or wild flowers."

The second collection of poems referred to above comprises one hundred and fifty poems by fifty-three contributors. It is entitled "Voices from the Fields, A Book of Country Songs by Farming People." It is edited by Russell Lord, with an introduction by Carl Van Doren, and was published by Houghton Mifflin Company, Boston, on November 19. Mr. Van Doren in his introduction says:

"The fifty-three contributors to Voices from the Fields are instinctive poets who are articulate enough to have words, and metrical forms to fit them to. Being country poets, they write of country subjects. These include what all poets write about: birth, love, work, death; earth and sky and the seasons of the year; faiths, fears, hates, aspirations, despairs; men's houses, townships, counties, countries, continents, and universes; neighbors and nations; religion, politics, housekeeping; and the characters and manners of human beings. But these particular poets are farmers, or farmers' wives or children, and they deal most often with the special and local circumstances of their calling. They live in all parts of the country, and they speak of various soils, landscapes, crops, flowers, and animals. Yet there is a remarkable - I think some readers will find it a surprising - unity in what these farmer poets think and feel. They unanimously agree in a strong, clear preference for farming as against any other trade or profession. Farming is for them not merely a livelihood, but a way of life. This book is their book of days, their anthology, their map and picture of the United States without its cities."

In addition to Mr. Van Doren's introduction, there is also an introduction by Mr. Lord, the editor, which he calls "A Note on Sources." The following paragraphs taken from it are of interest not only because they explain the genesis of the book but also because of the picture they give of one of the old farm journals:

"Voices from the Fields is a book of poems sent in during the past ten years by readers of one of America's oldest farm papers. The paper is The Country Home Magazine, established at Springfield, Ohio, as Farm & Fireside on October 1, 1877. The publishers, Messrs. Mast and Crowell,

AMERICAN RURAL POETRY: SOME RECENT CONTRIBUTIONS
(continued)

opened Volume I, Number 1, bearing that date, with a poem, 'The Husbandman,' by John Greenleaf Whittier:

Give fools their gold and knaves their power,
Let fortune's bubbles rise and fall,
Who sows a field or tends a flower,
Or plants a tree is more than all...

"It was a clipped piece posed as a model. Old F & F had neither the means nor intent to support professionals. In early issues the editors had much to say about the value of literary composition as an aid to clear thinking and character development, and wherever space could be cleared for a line of filler, 'Reader, Write for the Farm & Fireside,' they begged.

"Letters and poems still come from subscribers who heard entire issues read aloud by firelight after Bible reading, who reread them as primitive insulation on the walls of frontier cabins, and whose first and only public offering in the world of letters blossomed in that gray type. As the western march progressed, the magazine grew fatter with reader-writing. More immediately, it fattened on farm machinery advertising, for the clack of the reaper and the exactions of a commercial discipline had overtaken the primitive agriculture of the frontier. The files show time and again how pioneers overtaken by inter-dependence embrace their fate in prose, but continue to push on 'back of yonder' in song and rhyme.

"As times changed farm papers changed, though never without a certain lag and reluctance. The plain gray dress beloved by print-hungry frontier families was folded away. Tentatively and awkwardly, old F & F experimented with make-up. About twenty years ago, when Herbert Quick was editor, the editorial shop was removed from Springfield, Ohio, to New York City, where there are experts. There in 1930 the old paper went through a face-lifting and general rejuvenation, and took its present name. From presses still in Springfield, The Country Home Magazine goes monthly in a bright garb, downright stylish, to a million and a half or so R.F.D. boxes in all the States, but still is old-fashioned enough to have no traffic with city newsstands.

"Getting out a paper for farmers has remained a remarkably personal business through the years of change. Natural-born country journalism, whether local or national, still keeps pretty generally the tone of a correspondence between individuals. The Forum, from which most of the songs in this book are reprinted, is the outgrowth of a department called 'Our Letters to Each Other,' written by a kind and gifted man, George Martin, the last and greatest of the editors under the magazine's old name and format. To see George with his cocked slouch hat and walking stick strolling down Park Avenue toward the Players' Club, you might never take him for a Nebraska countryman; but he is, with a countryman's faith in intellectual equality; and he kept alive on Park Avenue a sturdy and honorable tradition of personal journalism. 'Write up to them, and they'll write up to you,' he would tell us. 'Just because you're in the business

AMERICAN RURAL POETRY: SOME RECENT CONTRIBUTIONS
(continued)

of being articulate, don't think you're God Almighty on a cloud.' Wheeler McMillen, the present Editor, who broke in on the staff about the same time I did, in the early nineteen-twenties, dedicated his first book, *Too Many Farmers*: 'To George Martin: For Very Good Reasons.'

"Forum & Ag'in Em, we called the department when it started in August 1927. When the pun grew old we shortened the title. First as a staff associate in New York, and now as a contributing editor on a small place of my own, I have been running The Forum ever since it started. My feeling about the material, about many of the writers, and about the magazine which has given them voice, is personal, even intimate; so there is no use in my pretending to be altogether objective, or in trying to write that way.

"The Forum is not a poetry column but a printed meeting of country people, with anywhere from twenty to seventy different voices, month by month. Usually there is room for only one poem a month, an opening song, printed in the poet's place, at the top. At first the department gave no space to song, and little to harmony of any sort. It was a noisy letter column, with highly personal discussions - about farm relief, religion, overworked wives, smoking, drinking, dancing, infidelity, birth control, crop control, one-piece bathing suits, divorce, tractors, corporal punishment, etc., describing somewhat meaningless cycles of diminishing velocity, as letter-column discussions will. The thing began to turn on itself and run down. Our pages had always been open to poets and harmonizers, and in 1931 we threw ourselves wide open. We offered ten dollars for the best poem written by anyone of any age who had never before submitted verse to an editor, with this remark:

"Maiden teachers who squirm their eyes and intone when reading have aroused in the American male, particularly, the crippling conviction that to sing with a pencil is affected and queer. Nonsense. The A. E. F. wrote more and better verse per capita than any literary society you could name. To our way of thinking, people ought to write verse, good and bad, with as little shame and self-consciousness as they feel when singing in the bath-tub or when riding at a gallop or when swinging down a mountainside at sixty.'

"Trying to figure how many rimed offerings we must have read in manuscript since then, I am sure that it has come to no less than twenty thousand. This book contains most of the published ones and others held for years in hope of room enough to print them..."

We come now to a third recent contribution to the literature of rural poetry which is of quite a different character. It is a 4-page bulletin entitled "Rural Poetry in America," by Caroline B. Sherman. This is of interest not only because of its content but also by reason of the organization which requested and issued it. The Christian Rural Fellowship, 156 Fifth Avenue, New York, issued it as their Bulletin no. 24, dated September 1937. This bulletin may be regarded to a certain extent as an expansion of the article with the same title which Miss Sherman prepared for the March 1936 issue of *Agricultural Library Notes*. The work of several of the poets is discussed in more detail and new books of poems issued since the date of the previous article are included.

75th ANNIVERSARY PUBLICATIONS

The 75th anniversary of its establishment was observed by the U. S. Department of Agriculture jointly, November 14-17, with the Association of Land-Grant Colleges and Universities, in Washington, since the Morrill Act providing for the establishment of Land-Grant Colleges in all the States was also signed in 1862. Anniversary exercises were held, and in addition, the Department issued two anniversary publications. One of these was entitled "The Response of Government to Agriculture, an Account of the Origin and Development of the United States Department of Agriculture on the Occasion of its 75th Anniversary". It was prepared by Arthur P. Chew, Assistant to the Director of Information. It reviews the growth and adaptation of the Department's work to the changing pattern of American agriculture since President Abraham Lincoln signed in 1862 the act creating the Department. The various chapters are as follows: Seventy-five years of growth and adaptation; Beginnings of Federal agricultural work; Establishment of the Department; Plant exploration and adaptation; Breeding better plants and animals; Battles against livestock diseases; Chemistry - a basic agricultural science; The insect peril; Growth of forest care; Dependence on State cooperation; Guarding the food and drug supply; The weather services; Economic information; Marketing - a federal problem; Continuity of the national agricultural policy; Toward higher standards of living; Conserving soil and water; The man and the land; The central paradox; The final aim; Appendix - an agricultural chronology.

The other publication issued in connection with the anniversary was a multigraphed publication entitled "Washington, Jefferson, Lincoln and Agriculture". It was prepared in the Bureau of Agricultural Economics of the Department of Agriculture. It contains a collection of the observations on agriculture by Washington, Jefferson and Lincoln. The selections included present the views of these leaders on the place of agriculture in the life of the Nation, their farming experiences, and the contemporaneous agricultural conditions. It also contains the Agricultural Laws of 1862, namely, Act Establishing the Department of Agriculture, May 15, 1862, Homestead Act, May 20, 1862, and Land Grant College Act, July 2, 1862. The four illustrations included are: Aerial view of Mount Vernon; Map of Mount Vernon sent by Washington to Arthur Young; Monticello, the Home of Jefferson; and the birthplace of Abraham Lincoln. Mr. Everett E. Edwards was responsible for the selections and the introductory notes. A committee consisting of Mr. Roy F. Hendrickson, Miss Mary G. Lacy, Miss Caroline B. Sherman, and Dr. O. C. Stine, assisted in the publication.

Although not issued by the Department, special mention should also be made of the publication prepared for the Rural Arts Exhibition. This is entitled "An Exhibition of the Rural Arts held in connection with the 75th Anniversary of the Founding of the Department of Agriculture 1862-1937, November 14-30, 1937, in the Patio of the Administration Building of the U. S. Department of Agriculture." This very attractive publication is a fitting companion to the beautiful exhibition, the first national exhibition of rural arts to be held in this country. The exhibition was prepared under the direction of Mr. Allen H. Eaton, author of the recent book entitled "Handicrafts of the Southern Highlands." The following paragraphs, which are taken from Mr. Eaton's introduction to the publication will give some idea of the

75th ANNIVERSARY PUBLICATIONS
(continued)

importance of the exhibition and of its extraordinary interest:

"The exhibition of objects gathered from every state and territory in the Union reflects a small part of the rural arts of our country, that is to say, the things which country people make for their own use or for others better than they need be made for utility's sake alone. A rural community is defined by the United States Department of Agriculture as one which includes twenty-five hundred population or fewer, and that is the definition accepted here. But far the largest number of exhibitors represented are in the country, outside of villages, people on the farm, on the range, in the mountains, or along the seacoast.

"The arts shown here consist largely of what may be called handicrafts, although a few examples of painting, sculpture, and architecture are included. There are, of course, other arts with which our rural folks are as much concerned as are urban people; music, drama, literature, and other forms of expression, which characterize the cultural life and work of rural America. But the limitation of time and space made it seem best to feature here mainly the things which country people make with their hands, supplemented by an extraordinary collection of photographs picturing the rural scene and rural work.

"All the objects shown are not made by dirt farmers, though the large majority of them are, but there are also a number of village artists and craftsmen whose business calls them to the city frequently but who choose the country as the best place in which to live and do their work. An instance is the designer of this book, Frederic W. Goudy, whose work shop and type foundry is in an ancient grist mill used for generations to grind the corn of the neighborhood of what is still a farming community, Marlboro-on-Hudson; and one of his helpers in this small but world famed foundry is a neighbor farm boy who between crops, and in his spare hours, gets to the shop for the work he enjoys so much. The Deepdene type in which this book is set was designed and its first fonts cast on the old farm at Marlboro where Fred and Bertha Goudy have done some of the most notable work in the history of typography.

"An extraordinary part of the exhibition is the selected photographs, about one hundred of them, all subjects picturing country life or work. Most of these were done by men and women who have their headquarters or business outlets in the City, but it is the country they love, and William Rittase, Ewing Galloway, and others have farms where they spend as much time as they can, and where some of the finest scenes in this exhibition have been secured. These photographs contributed by a score of photographers or their agents or from Government departments, are from thirty-odd states, and as interpretations of rural life and rural work speak for themselves. The abilities of these artists are only matched by their generous cooperation which has made this exhibition possible.

"Then, although this is in no sense an exhibition of farm products, there are a few examples of arrangement and decoration in which these products are displayed with skill and artistry merely to suggest the great decorative values of country grown things. These decorations also include the beautiful and fragrant branches, cones, and berries brought from the forest to help bring the breath of the great outdoors into the Patio of the

75th ANNIVERSARY PUBLICATIONS
(continued)

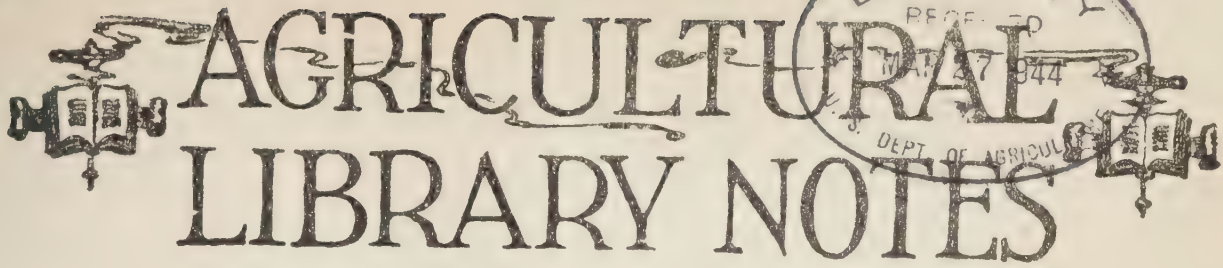
Administration Building - for a few days converted into an art gallery - and to root the exhibition in the soil from which it draws its interest, its vitality, and its inspiration.

"One feature, indeed the feature of the exhibition which gives it meaning and distinction, is the fact that most work shown is contemporary; there are not half a dozen of the more than two thousand objects shown that are in any sense antiques - they are things that are being done today and the great majority within the last year or two - some within a few hours of the opening of the exhibition..."

Librarians may also be interested to know that there was distributed at the exhibition a mimeographed list of books entitled "Suggested Titles on Arts and Rural Life." It is in four sections as follows: The human side of rural life as reflected in recent books" (includes fiction; rural essays, sketches and biographies; and rural poetry); Handicrafts; Rural drama; American folk music.

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AGRICULTURAL LIBRARY NOTES

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REPORT OF THE OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE FOR 1937

This excellent report of Mr. Icko Iben, Librarian of the Oklahoma Agricultural and Mechanical College, was published as the Library's Bulletin No. 3. It shows an increase in the use of the library and a decided improvement in the finances of the library. The budget for books, periodicals, and binding was \$3600 larger than for the previous year. With the amount spent for the same purpose through the Agricultural Experiment Station and the various schools independently, it was almost \$6,000 more. The total financial support for the library was almost 24 per cent more than in the previous fiscal year. This was due in large part to a special allotment from the appropriated College funds. The report also states that the prospects for future support are good since the Legislature was induced successfully to appropriate \$30,000 for books and binding exclusively, for the biennium 1937-39. The report, in addition to several tables, contains two interesting graphs.

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CHRONICA BOTANICA

The following information has been received from the publishers of Chronica Botanica concerning the change in issuance and contents of this publication, beginning with February 1938:

From February 1938 Chronica Botanica will be issued bi-monthly and no longer as a year-book. The annual subscription will be reduced from 15 to 7 guilders. The new periodical will continue to give all the essential information which was given in the old year-book and will include some important new sections as well. Like the year-book, the new Chronica will aim at promoting documentation, goodwill and intern. cooperation among plant scientists. Results of research will be published only in the first two sections. The world list of plant science institutions and societies will appear as an annual supplement. The contents of the reorganized Chronica will be as follows:

1. Scientific Communications: a medium for the quick publication of short preliminary notes on the results of recent research or announcing new discoveries.
2. Forum Botanicorum: Discussions, Announcements, Letters to the Editor.
3. Intern. Congresses: Detailed programmes, short reports decisions, resolutions, etc.
4. Quotations: from recent articles of general and timely interest.
5. Miscellaneous news: News notes of all kinds of plant science institutions, experiment stations, gardens, etc., incl. notes on new research projects.
6. Herbarium and Museum News: Expeditions, new collections, lists of new acquisitions, etc.
7. Personalia: Appointments, Retirements, Resignations, Deaths (short obituaries), Miscellaneous, New Addresses.
8. Queries: Requests for cooperation and information, exchange offers.
9. New Periodicals: Short accounts of new plant science periodicals, changes in existing periodicals.
10. New Books: Short reviews of new plant science books.

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November 17, 1937. 6 p. 1.9 Ag8636

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1.9 Ag8639

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*Bibliographies included in general list of bibliographies on page 659

**For a list of the principal series issued regularly, see Agricultural
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- Suggested discussion outline 1938 agricultural conservation program. 1937. 12 p. Issued by East central division. 1.42 Ea7Sd
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farm chemurgic conference, Oklahoma city, Nov. 10, 1937. 1.9 Ec733Ni
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- Statistics of the peach industry. Prepared for the use of outlook workers.
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- The tobacco market in the British Isles. By P. G. Minneman, tobacco specialist,
London office. 1937. 36 p. (F.S.72) 1.9 Ec752 F.S.no.72
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Living conditions and population migration in four Appalachian counties. By L. S. Dodson. 1937. 152 p. (Social research report no. 3) In cooperation with Bureau of Agricultural economics. 1.95 Sol no. 3

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A method of site evaluation for yellow poplar based on depth of the undisturbed A₁ soil horizon, by J. T. Auten. 1937. 4 p. (Station note no. 33)
Issued by Central states forest experiment station, Columbus, Ohio.
1.9 F76252S

Forest statistics, Benewah county, Idaho. From the inventory phase of the Forest survey. 1937. 32 p. (Forest survey release no. 8) Issued by Northern Rocky mountain forest and range experiment station, Missoula, Mont. 1.9 F7628F

Site requirements of yellow poplar, by J. T. Auten. 1937. 13 p. (Station note no. 32) Issued by Central states forest experiment station, Columbus, Ohio. 1.9 F76252S

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Soil and water conservation. By H. H. Bennett. 1937. 20 p. Address, Southwide extension conference, Tuskegee, Alabama, Aug. 13, 1937. 1.96 Ad62

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The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library (Branch 627):

472 Nature. vol. 132, July-December 1933.
N21

389.1 Rose, Mary Swartz. Laboratory handbook for dietetics. 4th ed.
R72 1937.

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THE ACTIVITIES OF THE
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

Communication V

First Meeting of the International Committee of
Agricultural Librarians, Paris, August 17, 1937

Since the formation of the Committee, which took place, thanks to the initiative of Mr. Angelini, General Secretary of the International Federation of Technical Agriculturists, on the occasion of the First International Congress of the Agricultural Press at Brussels, 1935, the members have had no opportunity to come into personal contact. It seemed, therefore, very desirable to have a meeting in which problems of common interest could be discussed. Paris was chosen for this meeting because in the middle of August the World Congress of Universal Documentation met there, it being a suitable occasion to attract a large number of librarians of many countries and especially those interested in the problems of international collaboration of librarians.

The agenda contained the following points: (1) Report of the Secretary on the activity of the Committee since its formation; (2) Discussion and approval of the draft statutes worked out by the President of the Committee; (3) Exchange of view on the future activities of the Committee.

The meeting was attended by 14 persons (members and observers) representing five different countries. The President of the Committee, Miss Clari-bel R. Barnett, was unable to attend the meeting but she was represented by Miss Sabra W. Vought, Librarian of the Office of Education, Washington, D.C., who was one of the official delegates to the World Congress of Universal Documentation.

The Secretary read several letters sent on the occasion of the meeting. Those worthy of particular mention are the letters of Mr. Reich, General Secretary of the Czechoslovak Academy of Agriculture, and Mr. Bostik, Librarian of the same Academy and representative of Czechoslovakia in the Committee, who both apologized for their absence and expressed the most cordial wishes for the full success of the meeting.

The Secretary, who was requested by the President to preside over the meeting, gave a general report on the activity of the Committee since its formation, basing his statements on the report presented to the Second International Congress of the Agricultural Press (The Hague) and published on page 217 of the June 1937 number (vol. 7, no. 2) of the journal "Technique agricole internationale". This report was approved without discussion.

As to the text of the draft statutes which had been distributed among the members of the Committee before the meeting, various modifications were proposed, particularly in regard to the membership dues which have been fixed at one swiss franc for membership for one year, instead of 0.50 fr. as heretofore. The Secretary stressed the importance of the article of the Statutes concerning the number of members on the Committee, which provides that the different countries may be represented by one or two agricultural librarians. The present members agreed unanimously that it would be to the interest of the Committee's work to invite a second member for each of the great countries with the object of amplifying and intensifying their collaboration.

THE ACTIVITIES OF THE
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS
(Continued)

In connection with the future activities of the Committee, Miss Shaw, Librarian of the Department of Agriculture at Ottawa, Canada, sent by letter a proposal containing different suggestions for publications which might be worked out by the Committee. In this connection the Secretary gave a summary on the current work, namely, the "International List of Agricultural Libraries and Documentation Centers" and the "International Catalog of Agricultural Periodicals", based on the material contained in the Library of the International Institute of Agriculture. The discussion on this point of the agenda, in which Mr. Abb, Mr. Lancaster-Jones, Mr. Mila, and Miss Vought participated, was very lively and fertile. Particular stress was given to the manner of publishing the "World List of Agricultural Libraries" of which the bilingual text has been already prepared for a great number of countries and of which the first volume will be issued during 1938 as an official publication of the International Institute of Agriculture. Further discussion took place on the basic principles regarding the compilation of the "Catalog of Agricultural Periodicals". All members present kindly stated that they would be willing to collaborate closely with the Secretary by furnishing him with all information required as to the agricultural periodicals of their countries.

The meeting voted the following resolutions:

"The International Committee of Agricultural Librarians, in its first meeting, held in Paris, the 17th of August 1937,

(1) approves the report on the activity of the Committee since its formation, given by Mr. S. von Frauendorfer, Secretary,

(2) approves the draft statutes prepared by Miss Claribel R. Barnett, President, with the following modifications: Dues. The annual dues shall be one swiss franc per member and per year; Meetings. Meetings shall be held at the time and place named by the Executive board.

(3) asks the Secretary to continue the current work, particularly in regard to the World List of Agricultural Libraries, and the International Catalog of Agricultural Periodicals, based on the material existing in the Library of the International Institute of Agriculture and on the information furnished by the members of the Committee."

In conformity with the approved statutes, the Executive Board, consisting of the following members, was appointed: President, Miss C. R. Barnett (United States); Vice-President, Mr. Lancaster-Jones (Great Britain); Secretary-Treasurer, Mr. S. von Frauendorfer; Members, Mr. Abb (Germany), Mr. Mila (France).

Before rising, the members agreed on a vote of thanks to be presented to the Organizing Committee of the World Congress for Universal Documentation and particularly to its President, Mr. Gerard, who had kindly offered to the International Committee of Agricultural Librarians one of the rooms of the Maison de la Chimie."

Sigmund von Frauendorfer,
Secretary.

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HENRY LEAVITT ELLSWORTH'S JOURNAL

In 1832 Henry Leavitt Ellsworth, born at Windsor, Connecticut, November 10, 1791, was appointed by President Jackson as one of the three commissioners to superintend the settlement of the Indian tribes transplanted to the south and west of Arkansas after the passage by Congress in 1830 of the Indian Removal Bill. On his way west to take over his duties at Fort Gibson with the other commissioners, Ellsworth accidentally met Washington Irving, Charles Joseph Latrobe, the English traveler, and the latter's protégé, a Swiss youth, Count Pourtales, who were traveling together. When Irving set out on his journey on August 4, 1832, he was meditating a tour in the western part of the state of New York and in Ohio, Kentucky and Tennessee, "vaguely hoping that he might discover materials for writing." When he met Ellsworth he and his companions changed their plans, as the opportunity to see the aborigines of America in their old wild territory was too tempting to be resisted. Irving described his meeting with Ellsworth in a letter to his sister dated September 2, 1832, from which the following is quoted: "My dear sister: You have no doubt heard from our brother E. I. of the alteration, or rather extension, of my traveling plans in consequence of which I shall accompany the commissioners on their expedition into the territories west of the Mississippi, to visit and hold conferences with the emigrating Indian tribes. The commissioner, Mr. Ellsworth, who invited me to this journey and whom I accidentally met on board a steamboat on Lake Erie, is a very gentlemanly and amiable person and an excellent traveling companion. I have also my old fellow travelers, Mr. Latrobe and the young Count Pourtales, who are delighted with the idea of traveling back through the forests and prairies, camping in tents at nights and hunting deer, buffalo, and wild turkeys."

It was on the journey with Ellsworth that Irving obtained the material for his book "A Tour of the Prairies." In his first chapter he speaks of Ellsworth as follows: "And here let me bear testimony to the merits of this worthy leader of our little band. He was a native of one of the towns of Connecticut, a man in whom the course of legal practice and political life had not been able to vitiate an innate simplicity and benevolence of heart. The greater part of his days had been passed in the bosom of his family and the society of deacons, elders and selectmen on the peaceful banks of the Connecticut; when suddenly he had been called to mount his steed, shoulder his rifle and mingle among the stark hunters, backwoodsmen, and naked savages, on the trackless wilds of the far west."

The impressions of the Englishman, Latrobe, are recorded in his "Rambles in North America." In his book he refers to Ellsworth in the following terms: "The Commissioner, with whom we had long been intimately acquainted, was worthy the respect which all entertained for him. His kindliness of spirit won our regard; and we all did justice to the singleness of purpose with which he, a happy husband and parent, and truly a lover of quiet, had left his family and the comforts of an Eastern home, to become a peacemaker among the rude tribes and inhabitants of the West."

The observations of Ellsworth were recorded in a manuscript letter to his wife which for many years has been reposing in the manuscript files of Yale University Library. Although sent to Mrs. Ellsworth in the form of a letter, it was a transcript from Ellsworth's minute books and is, therefore, referred to as his Journal. It consists of

HENRY LEAVITT ELLSWORTH'S JOURNAL

(Continued)

116 pages written in ink on sheets of folio size. It is this letter which has recently been edited by Stanley T. Williams and Barbara D. Simison under the title "Washington Irving on the Prairie, or, A Narrative of a Tour of the Southwest in the Year 1832", thus making available the third contemporary narrative concerning this Oklahoma frontier. The manuscript came to the attention of the editors while they were studying Irving's interest in the west. The following paragraphs regarding the Journal are taken from the Introduction:

"In it [the Journal] were amusing and informative portraits of a different Irving, not the familiar Irving beheld in Paris in 1824 in pigeon-tailed claret coat and silk stockings, or on Broadway in 1850 in a Talma cloak. Here was the most popular American author of the 'thirties not as Tom Moore or Longfellow saw him, but as he appeared to the contemptuous eyes of Billett, the Indian guide. Disgusted, Irving secretly throws a skunk into the river, but later is thankful to dine off this species of game. Here, in brief, was a salty episode in Irving's career, related by a shrewd and downright observer. The document adds to our knowledge of Irving, enriching both his laconic Journal and his tinted, conventionalized 'Tour on the Prairies'. Ellsworth's narrative is now an indispensable bit of Irvingiana. Through this manuscript and that of 'Polly Holman's Wedding' Irving appears appreciably closer to the actual frontier of a century ago.

"Yet Irving's experiences form but a slender portion of Ellsworth's manuscript. Written from Fort Gibson, on November 17, 1832, as a letter to his wife, it describes with an accuracy lacking in Irving's version (A Tour on the Prairies) the adventures of the expedition in the region of Oklahoma. Few husbands have written home longer epistles than this, and occasionally the reader shares the author's misgivings about Mrs. Ellsworth's unflagging interest in bees, bears, buffaloes, or a broken coffeepot. We agree with him that, like his horse, his pen should be 'hobbled.' Yet, whatever this lady's wifely feelings, the students of this particular period of American history will read the Journal to the end. Ellsworth tells his story well, and the distinction of his later public career adds weight to his testimony concerning that 'Southwest' which, through the writings of Mr. Grant Foreman, Mr. Joseph B. Thoburn, and others, has attracted renewed and deserved attention. The manuscript is, therefore, published entire as of interest not merely to devotees of Irving but to such historians... It is a clear, buckram tale without literary embellishments, in powerful contrast to Latrobe's expansive recital of the same events, and to Irving's elegant narrative. Irving's book, said Philip Hone, offered matters of thrilling interest to comfortable citizens who read of them in their green slippers, seated before a shining grate, the neatly printed page illuminated by a bronze astral lamp; or to the sensitive young lady who, drawing up her delicate little feet on the crimson damask sofa, shudders at the hardships which the adventurous tourist has undergone. So the world judged the popular author's romance of the frontier. Meanwhile Mrs. Ellsworth quietly read and then put aside the interminable letter of her Connecticut Commissioner. It now reappears and in it may be found the true record of a memorable adventure."

HENRY LEAVITT ELLSWORTH'S JOURNAL
(Continued)

Soon after Ellsworth's return from the west to Hartford, Connecticut, he was appointed by President Jackson as United States Commissioner of Patents. From the first he took a special interest in agriculture. As is well known, it was largely through his influence that Congress was induced to make the first appropriation for agriculture. It is for this reason and for his continued efforts to improve agriculture during his term as Commissioner of Patents that he is called the "Father of the Department of Agriculture". While serving as Commissioner of Patents he also aided his friend and classmate at Yale, Samuel F. B. Morse, in obtaining the congressional appropriation of \$30,000 to test the practicability of the telegraph. It was Ellsworth's daughter who sent the first telegraphic message.

Ellsworth resigned from the Patent Office on April 30, 1845, and established himself in Lafayette, Indiana, as an agent for the purchase and settlement of land, becoming one of the largest land owners in the west. He was one of the first to foretell the value of the prairie lands and gave a great impulse to the agricultural operations of that region. He also advocated the use of machinery in agriculture - an idea at that time considered chimerical. His health failing, he returned to Connecticut in 1858 and settled in Fairhaven where he died on December 27, 1858. By his will his residuary estate in western lands was bequeathed to Yale University. His will was the subject of litigation on the part of some of his heirs who tried to break it on the ground that he was of unsound mind. They based their opinion on the fact that he had predicted that the cultivation of the western prairies would be done without horses - that steam or other mechanical power would be used instead of animal power.

It is an interesting coincidence that this journal of 1832, written 105 years ago by the "Father of the Department of Agriculture" should be published in this year when the Department is celebrating its 75th anniversary.

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